THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).
Established in **ENGLAND, 1859**

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]
Established in **AUSTRALASIA, 1885**

No. 1,988. Vol. XC. MARCH 2, 1918. Subscription Rate, 12s. 6d. per annum. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

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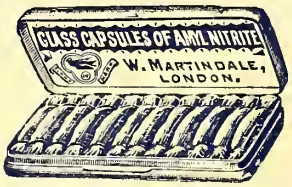

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Index to Advertisers p. 5.

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T140	Calcium Lactate grs. v	4/6	8/-	14/9	10/-
T14	Cascara Sagrada grs. 2	2/9	4/6	8/-	4 6
T15	Easton's Syrup ... dr. 1	5/9	10/9	20/-	12/6
	" ½	4/6	8/-	14/9	8/-
T135	Formalin Throat	4/-	5/9	10/6	6/-
T150	Hexamine ..... grs. v	3/6	5/9	10/6	6/3
T28	Laxative Vegetable.....	3/6	6/-	11/-	7/-
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T25	Phenacetin & Caff. Cit.	11/-	21/3	41/-	30/-
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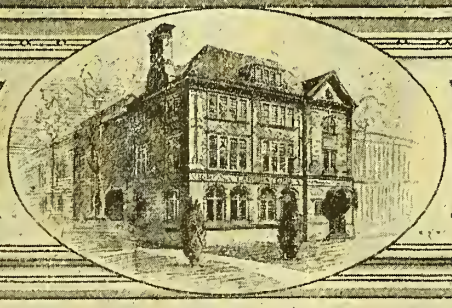

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INDEX TO ADVERTISERS IN THIS ISSUE.

The Arabic numerals (1 to 32) in this Index refer to Advertisements in the front of literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xiiv)

AERATORS, Ld., Sparklets 27
ALLCOCK MANUFACTURING CO. Plasters, &c. xxiv
ALLEN & HANBURYS, Ld., Foods 8
ALLEN, STAFFORD, & SONS, Ld., Essential Oils ..Cover
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals vii
AMERICAN COMMERCE CO., Ld., Chemicals 30
AMSTERDAM QUININE WORKS, Quinine xxiii
ANGIER'S CHEMICAL CO., Ld., Lung Tonic 2
ANGLO-FRENCH DRUG CO., Ld. French Props. xxi
ASHTON & PARSONS, Ld., Homœopathic Preps. xliii
ASSOC OF MANUFACTURING CHEMISTS, Ld vi
AYRTON, SAUNDERS & CO., Ld., Wholesale Druggists 15
BAILEY, W. H., & SON. Elastic Hosiery, Suspensories, Trusses xxxvi
BAKER, PARSON C., Chemists' Valuer ..... Col. Supp.
BALDWIN MNFG. CO., Ld., Toilet Cream 18
BECKER, SHILLAN & CO., Chemicals x
BEECHAM, THOMAS, Pills viii
BELL, JOHN, HILLS & LUCAS, Ld., Pharmaceutical Preparations, Glycerin Substitutes ..... Cover
BENGOL TRADING CO., INC., Salicylates xxiv
BERDOE & FISH, Chemists' Vainers, &c. ..... Col. Supp.
BISHOP, ALFRED, Ld., Effervescent Proprietaries 1
BLADE SHARPENING CO., Ld. 10
BLAGDEN, VICTOR, & CO., Chemicals xiv
BLYTHE, W., & CO., Ld., Epsom Salts, Zinc Sulphate vi
BOEHM, F., Ld., Chemicals xi
BOND'S MARKING INK, "Crystal Palace" Brand .. 10
BOWLEY, S., & SON, Parasiticides ..... 13, xxiv
BOX, W. H., Pills xviii
BRADFORD WOOL EXTRACTING CO., Ld., Phenacetin xviii
BREZET, A., & CO., Chemicals xxxii
BRITISH COMMERCIAL GAS ASSOCIATION 28
BRITISH DRUG HOUSES, Ld., Pharmaceuticals, &c. 32
BRONNLEY, H., & CO., Ld., Perfumes, Soaps ix
BURGE, WARREN & RIDGLEY, Ld. xxxv
BURNSIDE & CO., Eucalyptus Oil 17
BURROUGH, J., Ld., Absolute Alcohol, S.V.R., S.V.M. Text
BURROUGHS WELLCOME & CO., 'Tabloid' Preps. 31
BURT, BOULTON & HAYWOOD, Ld., Disinfectants Cover
BURTON, BAKER, & CO., "Glacialine Preservative 23
BUSH, H. W., & CO., Ld., Druggists' Sundries, Graduated Measures ..... Cover
BUTLER, E. H., & SON, Acetanilide, Aniline Dyes x
CADBURY BROS., Ld., Cocoa ..... Cover
CAMPBELL, ACHNACH & CO., Ld., Hot Water Bottles xxvii
CAMWAL, Ld., Aerated Waters xxx
CHATELAIN, J. L., French Medicinal Proprietaries ... xxiii
CHESTER, A. D., & CO., Ld., Chemicals xvi
CHRISTOPHERSON, C., & CO., Drugs vi
CHRISTY, T., & CO., Toilet Articles, &c. xxxii
COAL BY-PRODUCTS CO., Vaporizers 16
CONNELL, A., & CO., Chemicals xxiv
COOK, E., & CO., Ld., Soaps, Perfumery, &c. 8
COOPER LABORATORY 8
COOPER, SON & CO., Ld., Cachets xxxii
COSH, STRODE, & PENFOLD, Toilet Specialities 16
COX, ARTHUR H., & CO., Ld., Obesity Salts 1
CUXSON, GERRARD & CO., Ld., Tooth Paste 6
DALE, J., MNFG. CO., Collapsible Tubes 13
DARTON, F., & CO., Optical and Scientific Goods xii
DAVIS, W., Window Display Stands xxxix
DAY & SONS (Crewe), Ld., Veterinary Preps. xiii
DENNIS, J. H., & CO., Ld., Copper Sulphate xviii
DENOUAL, JULES, & CO., Saccharin 17
DODGE & OLCOTT CO., Balsams, Essential Oils 17
EBURITE PAPER CO., Ld., Corrugated Paper xxvi
EDWARDS, WM., & SON, Proprietary Articles 10
ELEY BROS., Ld., Nickelled Shaving Stick Tubes, &c. 28
ELT'S COLLEGE, Educational xl
EVANS, GADD & CO., Ld., Pharmaceuticals xv
EVANS SONS LESCHER & WEBB, Ld., Chemicals 8, 30, il
FABBA CO., Ld., Chemicals vi
FARROW & CO., Medical Glassware xxxii
FARROW & JACKSON, Ld., Asbestos Filters 23
FAULDING, F. H., & CO., Emulsions, Soaps viii
FIELD, J. C. & J., Ld., Toilet Soaps 18
FINK, F., & CO., Gums xxxii
FLETCHER, FLETCHER & CO., Ld., Liquors ..... 3, Text
FLOREY, HARTLEY, Chemicals xxii
FRAME FOOD CO., Ld. Foods 24
FREEMAN BROS., Dentistry xxxviii
FRIEDMANN, V., Chemicals xviii
FUERST BROS., Ld., Chemicals (Pure and Technical) .. xvi
GARDNER W., & SONS (Gloucester), Ld., Machinery .. xli
GERAUDEL, A., Pastilles xx
GIBBINS, R., & CO., Tablets ..... Col. Supp.
GIGNOUX FRERES & CO., French Specialities xxiii
GLEW, F. HARRISON, Inhalers xl
GOWER, JOHN, Books (Secondhand, &c.) ..... Col. Supp.
GRAESSER, Ld., Drugs ..... Col Supp.
GREEFF, R. W., & CO., Chemicals (Fine and Technical) 6, 7
HAMPSHIRE, F. W., & CO., Ld., Chihlain Remedy .. xxiv
HARKER, C. R., STAGG & MORGAN, Ld., Hair Dyes 20
HARLEY, T., Rat Poison, Proprietary Salt ..... 14, viii
HARRINGTON BROS., Ld. Chemicals ..... xxxiv, xxxv
HART, BRITTAIN, J., Ld., Toilet Articles 20
HAY, W., Ld., Solnhie and Fruit Essences xxxi
HENRY, T. & W., Calcined Magnesia xxiv
HEWLETT, C. J., & SON, Ld., Pharmaceutical Preps. 24
HIND & LUND, Ld., Grinders, Sifters, and Mixers xli
HOFFMANN-LA ROCHE CHEMICAL WORKS, Ld. .. xix
HOLLIDAY, F. B., & CO., Fine Chemicals xxii
HOWARDS & SONS, Ld., Cinchona Preps., Quinine, Sodium Bicarbonate, Fine Chemicals iii
HUISKING, C. L., American Drugs, Chemicals, &c. xvii
INGRAM, FREDK. F., CO., Toilet Cream 12
ISAACS, I., & CO., Glass Bottles ..... Col. Supp.
JOB BROS., Cod Liver Oil, Newfoundland 29
JOSEPHS, PHILIP, & SONS, Ld., Shopfittings xl, Col. Supp.
KAY BROS., Ld., Proprietaries xxxv
KERFOOT, T., & CO., Aspirin 14
KIRBY, H. & T., & CO., Ld., Tablets xvii
KUTNOW, S., & CO., Ld., Saline Preparation 25
LANG, JULES, & SON, Medical & Chemical Glassware .. 29
LANKSHEAR, WICKSTEAD & CO., Ld., Tartaric Acid .. xxiv
LAPORTE, B., Ld., Hydrogen Peroxide xii
LEVERMORE, A., & CO., Ld, Chalk (Precipitated) xxxii
LOFTHOUSE & SALTMER, Ld., Foods, Asthma Remedies 22
LONABARC TRADING CO., Essential Oils 16
LONDON COLLEGE OF PHARMACY xl
McCOTTER, S. G., & CO., American Chemicals, &c. xviii
M'GLASHAN, D., Fruit Drink ..... Col. Supp.
MADERO BROS. INC., Glycerophosphates, Saccharin .. v
MANBRE SACCHARINE CO., Ld., Glucose xxxiv
MANIFOLD SIGN CO., Display Signs xxxviii
MARTIN, W., Photographics ..... Col. Supp.
MARTINDALE, W., Chemicals (Tech. and Fine) ..... Cover
MATTHEWS, HAROLD E., & CO., Proprietary xxix
MAW, S., SON & SONS, Ld., Druggists' Sundries, &c. 11
MEYER, W. H., Saccharin Tablets ..... Col. Supp.
MILLAR, A., & CO., Ld., Orange Quinine Wine 10
MITCHELL, N. W., & SONS, Ld., Chemists' Corks 26
MOND NICKEL CO., Copper Sulphate x
MONSANTO CHEMICAL WORKS, Glycerophosphates vii
MORSON, THOS., & SONS, Ld., Fine Chemicals xiii
NATIONAL WAR SAVINGS 9
NATURAL FOOD CO., Ld., Foods (Special) 26
NEUHAFER & LEVI, Brushes xli
NEWBALL & MASON, Botanic Drugs, Herb Extracts .. 22
NEWMAN, H. & C., Liqueur Tonic 1
NEW WAVE CURL CO., Toilet 24
NIEUWHOF, SURIE & CO., Ld., Casein 24
NORWICH CREPE CO. (1856), Ld., Crepe Bandages xxxiv
ODOL CHEMICAL WORKS, Dentifrices 18
OLDFIELD, PATTINSON & CO., Pharm. Preps. 5
PAGE, CHAS., & CO., Chemicals xlv
PEARS, A. & F., Ld., Toilet Soaps 4
PELLIOT HENRI, & CIE, Chemicals xvi
PENICK, S. B., & CO., American Crude Drugs vi
PERKEN, SON & CO., Ld., Clinical Thermometers 17
PETRI BROS., Chemicals xvi
PICERNO, V. A., Chemicals xviii
PICKARD IVE & RANKIN, Ld., Acetyl-Salicylic Acid vii
PICKERING, ALEX. S., Quicksilver x
PIFCO CO., Ld., Electrical Novelties 13
POULENC FRERES, Stovaine 23
PRICE, A. S. & CO., Ld., Tea Sweeteners ..... Col. Supp.
PRICE'S PATENT CANDLE CO., Ld., Glycerin, Soaps 19
PURE RUSSIAN LIQUID PARAFFIN CO., Ld xxv
RAJEEN PERFUMERY CO., Toilet Specialities 19
RAWORTH, J. E., Patent Agent xxxii
REDDGRAVE, BUTLER & CO., Liquid Paraffin iii
RICHFORD, C. D., Rubber Stamps xxxii
RIGOLLOT, Mustard Leaves 26
ROBARTES, Ld., Toilet Specialities 18
ROSENBLATT, SAMSON, Drugs xxii
RUBWEL CO., Ointment xxvi
RUCH, A., & CO., Ld., Glassware xxvi
RUDD, F. M., Peppermint Oil 16
RUDDUCK & CO., Chemists' Shop Fittings ..... Col. Supp.
SACCHARIN CORPORATION, Ld., Saccharin xx
SANGERS, Druggists' Sundries, Packed Goods xxviii
SANITAS CO., Ld., Disinfectants ..... Text
SAVORY & MOORE, Foods 27
SHADEINE CO., Hair Dyes xxxii
SHERBORNE, T., & CO., Trusses xxxii
SIM Ld., Ampoule Files xvi
SLOOG, H., Drugs xvi
SMITH, MAURICE, & CO., Proprietaries viii
SMITH, T. & H., Ld., Alkaloids, Resins & Resinoids iv
SOLAZZI, Liquorice 24
SOLERNOU, VIUDA DE JOSE, Spanish Agencies 24
SOUTH OF ENGLAND SCHOOL OF PHARMACY xl
SPATULA PUBLISHING CO., Books xxxix
SPRING & CO., Ld., Honey 26
SQUIRE & SONS, Ld., Pharmaceutical Proprietaries Cover
STEAD & CO., Photographics ..... Col. Supp.
STERNS, Ld., Petroleum Jelly 20
STURGE, JOHN & E., Ld., Precipitated Chalk xii
SUTTLEY & SILVERLOCK, Ld., Chemists' Printing xxxviii
SWISS BANK CORPORATION, Mercantile Banking xvi
THAMES CHEMICAL CO., Ld., Face Cream xxii
THEW, HOOKER & GILBEY, Malted Food 26
THORNLEY, S., Ld., Methylated Spirit 29
TIMPSON, JOHN, & CO., Ld., Ligatures xxxvi
TITTERTON & HOWARD, Brushware (all kinds) 22
TOLKOWSKY, S., Russian Crude Drugs, &c. iv
TOOMBS, ARTHUR, & CO., Bottle Caps 19
TOWNSEND, J., & SONS, Printing xxxix
VAN HORN & SAWTELL, Surgical Ligatures xxii
VISCOSE DEVELOPMENT CO., Ld., Self-fixing Caps 16
WAND MANUFACTURING CO., Pills, Tablets xviii
WARRINGTON CHEM. & DRUG CO., Salicylic Acid xxiv
WASHINGTON CHEMICAL CO, Ld, Magnesia & Salts Cover
WATFORD MANFG. CO., Soup Cubes 27
WATSON & CO, Photographics ..... Col. Supp.
WEST-END PHARMACY SUPPLY, Cachets, Capsules xxxii
WESTERN DENTAL MNFG. CO., Ld., Sotol xxxiii
WESTMINSTER COLLEGE OF PHARMACY xl
WHIFFEN & SONS, Ld, Emetine Salts, Quinine, &c. xiv
WHITAKER & CO., Hat Dyes 16
WHITE, TOMKINS & COURAGE, Ld., Hop Oil 17
WILLIAMS BROS. CO., Aniline Dyes, Chemicals xliv
WOOLLEY JAS., SONS & CO., Ld Galencials, Foods Cover
WRIGHT LAYMAN & UMNEY, Ld., Soap ..... Text
ZEE-KOL MANUFACTURING CO., Ointment xxvii

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FOR THE

"Allenbury's" Milk Cocoa

With the cost of all materials, etc., constantly increasing, we are compelled to advance the prices of the "Allenbury's" Milk Cocoa as follows. These prices yield a profit on return to the Pharmacist of 20 %.

The "Allenbury's" Milk Cocoa

Size of Package.	Minimum Retail Price.	Gross Wholesale Price.
3/-	3/-	31/- per doz.
6/-	6/-	62/- ,,

Due notice of these changes will appear in the "Anti-Cutting Record."

These prices will take effect on February 20, 1918, and are subject to our usual discount.

ALLEN & HANBURYS Ltd.
London.

Saccharin Tablets.

·01 gram. in each Tablet.

Pure 550 Saccharin only.

IN SCREW-CAPPED BOTTLES:
100's ... ... 24/- per doz., less 25 %
200's ... ... 45/- ,, ,,

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500's ... ... 105/- per doz., less 25 %

IN BULK: 1,000's ... 12/6 per 1,000 net.
,, 5,000's ... 12/- ,, ,,
,, 10,000's ... 11/6 ,, ,,

Per lb. (7,000 tablets) 82/6 net.

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The Cooper Laboratory
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Believe me, gratefully yours,
NOËL A. HUBBARD,
WESTGATE.

Retail P.A.T.A.		*Wholesale*
1/- *size*	...	9/- *Dozen Net.*
2/6 ,,	...	21/6 ,, ,,

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Every Shopkeeper

EVERY shopkeeper or licence holder can help his Country by becoming an "Official Agent" for the sale of War Savings Certificates. The plan is a simple one. He may purchase ten, fifty, one hundred or more Certificates at a time and exercise his salesmanship by disposing of them to his customers. He does not risk his capital. It all comes back again.

Several thousand shopkeepers have made application to the National War Savings Committee to become Official Agents. *But many more are wanted.* Do not hesitate to apply because the efforts of a single individual may appear small; when multiplied by many thousands they will prove of substantial help to the Nation.

Will every shopkeeper or licence holder who reads this show his patriotism by making direct application to the National War Savings Committee on the Coupon below?

Full particulars will be sent him, and he will be placed in touch with his Local War Savings Committee, who will assist him in this good work on behalf of the Country. Some shopkeepers already find it a distinction to be among the first Official Agents appointed, and have been sold out of Certificates four times in ten days.

CUT THIS OUT AND POST IT TO-DAY

(No stamp is required.)

To **NATIONAL WAR SAVINGS COMMITTEE,**

Salisbury Square, London, E.C. 4.

Please send particulars of how I can become an "Official Agent" for the sale of War Savings Certificates.

Name .....

Address .....

.....

C. & D.

RECOMMEND THE PROTECTED BRAND.

Support those who support you. PUSH the Ink that ensures your profit and protects the Special War Increases as well as Standard Prices.

JOHN BOND'S

"CRYSTAL PALACE" MARKING INK

The increase is but small, ½d. a Bottle retail, either size, heat or non-heat. Every other domestic commodity has risen more.

The 1/- size protected at 8d. is now protected at 8½d.

The 6d. size protected at 4d. is now protected at 4½d.

THE PROTECTED RETAIL PROFIT IS **33⅓%**

A good minimum profit on the Marking Ink which will always make new Customers.

PRICE LISTS AND TERMS ON APPLICATION.

JOHN BOND (LONDON) LIMITED, 75 SOUTHGATE ROAD, LONDON, N.1.

Telephone: Dalston 1824. Telegrams: "Actinic, Kinland, London" (2 *words.*)

CENT. PER CENT. PROFIT.

Used Safety Razor Blades

GROUND, SET AND SHARPENED, GOOD AS NEW, ON AUTOMATIC ELECTRIC & MAGNETIC MACHINES.

SATISFACTION GUARANTEED.

Send for Showcards, supplied post free.

All razor users readily catch on to the proposition to save and re-use their old blades.

6d. PER DOZEN. RETAIL 1/- PER DOZEN.

The Blade Sharpening Co., Lim.

35 CAMOMILE STREET, LONDON, E.C.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

London Agent: JAMES STIRTON 43 GREAT TOWER STREET, E.C.

W. EDWARDS & SON,

157 Queen Victoria Street, 239 & 240 Upper Thames Street,

LONDON, E.C.

PRICE LISTS SENT ON APPLICATION

ORDERS CAREFULLY & PROMPTLY EXECUTED

WHOLESALE AND EXPORT DEALERS IN

Druggists' Sundries

AND

Proprietary Articles

ENGLISH, AMERICAN, FRENCH, &c.

AGENCIES UNDERTAKEN ON ADVANTAGEOUS TERMS FOR PROPRIETARY ARTICLES & OTHER GOODS

Telegraphic Address: "MEDICINES, CENT, LONDON." Telephones: CENTRAL 1400 & 1401.

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

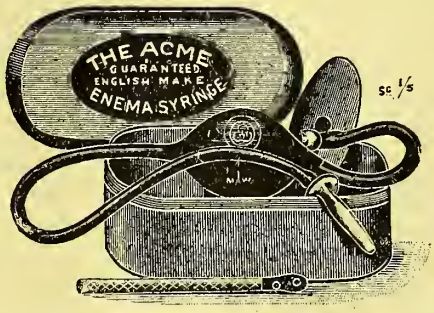
CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 333. MARCH 2, 1918.

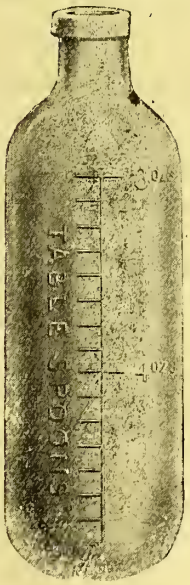
The ACME Enema

IS A GOOD SERVICEABLE ENEMA AT A REASONABLE PRICE.



It is supplied in black rubber only with a highly polished surface.
This Enema has the usual good quality Vaginal and Rectal pipes, and is fitted up in a pull-off superior dome-top box.

PRICE **33/-** DOZEN.



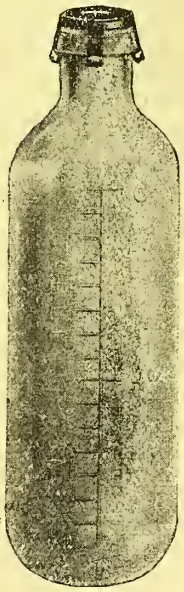
SPARE PARTS FOR

MAW'S EUGENIC MILK STERILIZER

CAN NOW BE SUPPLIED.

Sterilizing Bottles	...	**10/-** per doz.
Indiarubber Discs	...	**2/-** "
Metal Caps ...	...	**2/-** "

(as Illustrations).



HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing.

Two sizes: 2/-, per dozen 8/-; 4/-, per dozen 16/-. Prepaid Parcel Post. Samples and store displays free with every order.

Introductory Offer. Cost £2; Retails 60/-—Profit 20/-.

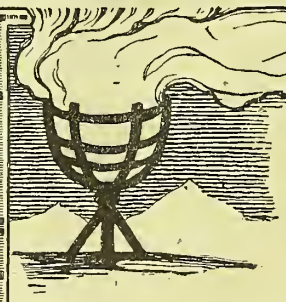
½ Doz.	Ingram's Milkweed Cream	Retails 2/-	Price	8/-
½ Doz.	,, Velveola Souveraine (Face Powder)	,, 2/-	,,	8/-
½ Doz.	,, Zodenta Paste for the Teeth	,, 1/-	,,	4/-
¼ Doz.	,, Rouge, Light, Medium, Dark	,, 2/-	,,	4/-
½ Doz.	,, Perfume, 1 oz. assorted in fancy packages	,, 4/-	,,	16/-
	100 Guest Room Packages free.			£2

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (Established 1885).
411 Lafayette Building, Detroit, U.S.A. Canadian Plant: Windsor, Ont.

Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.



The Emollient in Greatest Demand

Although women now engage in rough, grimy work, they pay more attention to well-kept hands. Snowfire sells briskly because it instantly cleanses the pores from dirt, softens and whitens the skin. Used also for Chapped Hands, Cracked Lips, Redness and Roughness of the Skin. Snowfire gives you a profit of 30 to 40 per cent.

Snowfire

Widely and attractively advertised. Free publicity matter gladly supplied to help your sales. Carriage paid to customer's doors—goods sent by passenger train.

Retail Selling Price.
In 3d. Tablets. Family size, 7½d

Sold by all Chemists and Druggists.

F. W. HAMPSHIRE & CO., Ld.
Riverside Works - - DERBY.

IMPORTANT NOTICE.

ALTERATION OF PRICES OF

O. Phelps Brown's Nature's Herbal Remedies.

On and after March 1, the prices of NATURE'S REMEDIES, protected by the P.A.T.A. at full face value, will be as follows:

Size.		Min. Retail.	Min. Wholesale.
1/3	Dr. Lane's Catarrh Cure ...	1/3	12/-
3/-	" " ...	3/-	28/9
5/-	" " ...	5/-	48/-
1/3	Herbal Ointment	1/3	12/-
3/-	" "	3/-	28/9
3/-	Restorative Assimilant ...	3/-	28/9
5/-	Acacian Balsam	5/-	48/-
12/-	Liver Invigorator	12/-	115/3
2/6	Blood Purifier	2/6	24/-
4/6	" "	4/6	43/3
10/6	" "	10/6	90/9
1/3	Renovating Pills	1/3	12/-
3/-	Male Fern Vermifuge ...	3/-	28/9
1/3	H. O. Suppositories ...	1/3	12/-
5/-	" " ...	5/-	48/-
3/-	Woodland Balm	3/-	28/9
5/-	Complete Herbalist ...	5/-	48/-

DISCOUNT:—20%. Extra 2½% on £2 worth, 5% on £5 worth, 7½% on £10 worth, Carriage paid.
TERMS:—Cash in one month from date of Invoice.

All orders and communications in future to be addressed to—

O. PHELPS BROWN,
60 GREAT RUSSELL STREET, BRADFORD

FOR

Powder Puffs

OF EVERY KIND.

SOLPORT BROTHERS
LIMITED,

Wholesale and Export Manufacturers of Druggists' Sundries and Toilet Accessories,

184 to 190 GOSWELL ROAD
LONDON, E.C.1.

BRITISH MADE

SCENT SPRINKLERS
COLLAPSIBLE TUBES
Decorated Tin Boxes & Canisters

Manufactured by
The JOHN DALE Mfg. Coy.
NEW SOUTHGATE. LONDON. N.

"FLYBANE" W.D.O.
For industrial purposes.

"VERMIJELLI LIQUID"
For manure heaps. Kills maggots before the flies come into existence.

"GARDEN WASH"
A simple wash for growing plants.

Manufactured by **S. BOWLEY & SON**
Wellington Works, Battersea Bridge, S.W. 11.

Inevitably

a voided trade-mark must, sooner or later, "lose caste." Not so—

"SALASPIN"

which now protects the pharmacist to an extent that the voided name "aspirin" is quite unable to do.

"Salaspin" guarantees a wide margin of profit—a "Kerfoot" profit, in fact. "Salaspin" eliminates price-cutting and obviates the loss of custom through grocery-store and other unprofessional competition.

And "Salaspin" is an assurance of quality. The extensive advertising campaign now in preparation makes a high and uniform degree of excellence imperative.

"Salaspin" retails at the P.A.T.A. prices of 1/- for 25 tablets and 3/- for 100 tablets. Samples and trade prices on application.

NOTICE of P.A.T.A. RETAIL PRICE CHANGES.

Medicated Pastilles, in marble tins 7d. size. Min. 7d.
1/1 size. Min. 1/1.
Mineral Spring Health Granules, 10½d. size. Min. 10½d.
1/9 size. Min. 1/9.

THOMAS KERFOOT & CO.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, England.
ESTABLISHED 1767.

COPYRIGHT

1868 to 1918

"Why stay we here on the earth except to grow?"—*Cleon*

FEEDING BOTTLES and INFANT'S SOOTHERS

Monroe's Hygienic Feeder

A white flint, two-hole Feeder, with black or transparent teat and valve, each in box with brush - per dozen **8/-**

Name and address on 3 dozen and upwards

"The Rodney" Feeder

A white flint, two-hole Feeder, with patent black or transparent "Ayrton" grip teat and valve, each in box with brush - - - - - - per dozen **10/6**

Name and address on 3 dozen and upwards

"The Star" Feeder

White glass, screw stopper, black tube and fittings per dozen **6/6**

or each in cardboard box with 2 brushes, **7/6** per dozen

INFANT'S SOOTHERS

No. 10	Wood mount, bone shield, transparent teat and cord, 3 dozen on Card - - -	**16/-**	per gross
No. 14	Bone ring, transparent teat, and cord, 3 dozen on Card - - - - - -	**16/-**	,,
No. 15	"The Gem," bone shaft, medium ribbed or plain, transparent teat, large bone shield and cord, 3 dozen on Card -	**24/-**	,,
No. 15A	As above, with larger bone shaft - -	**24/-**	,,
No. 21	Bone ring, medium size, good quality teat, large bone shield and cord, 2 doz. on Card	**30/-**	,,
No. 21L	As above, with best quality ribbed teat and extra large bone shield, 2 dozen on Card	**42/-**	,,
No. 30M	All-rubber ring and teat, 2 dozen on Card	**36/-**	,,
No. 30P	As No. 30M, but slightly larger, and airtight	**48/-**	,,
No. 30A	As No. 30P, but larger size - - - -	**54/-**	,,
No. 32	All-rubber ring and two teats - - -	**72/-**	,,
No. 36	All-rubber ring, teat and pad - - -	**72/-**	,,

AYRTON, SAUNDERS & CO. LTD. LIVERPOOL

PURE SPANISH ESSENTIAL OILS.

TRADE MARK.

LONABARC TRADING COMPANY

60 FORE STREET, LONDON, E.C. 2.

"Strodonia"

VANISHING CREAM

is extensively advertised. Don't miss sales by being out of stock. Two sizes—7½d. @ 5/6. 1/- @ 9/- per doz.; from London Wholesalers.

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS:—

1½ dozen	7½d.	selling for	11 3
¾ "	1/-	" "	9 0
For 10/- cash with order, carriage paid.			20 3

SPECIAL TERMS FOR LARGE BUYERS.

STRODE COSH & PENFOLD, Manufacturing Chemists, LOWER UNION ST., BRISTOL.

F. M. RUDD, Bronson, MICHIGAN, U.S.A.

GENUINE AMERICAN

PEPPERMINT OIL

"Columbia" Natural
"Diamond White"
Re-distilled.

Finest qualities for Druggists, Distillers and Confectioners.

Sole Consignees in United Kingdom—
R. W. GREEFF & CO.
Thames House,
Queen St. Place, LONDON, E.C.

10d.

Make your old Hat a new one.

In bottles, 10d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot; 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. *Est. 1878*
Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

FUMO-TARACINE

Registered Trade Mark.

Retail Selling Prices:
2-oz. bottle, 1/1½; 4-oz. bottle, 2/-; 16-oz. bottle, 6/-
(including **FREE VAPORISER** with each bottle).

THE BRITISH THROUGHOUT VAPORIFIC MEDICINAL PREPARATION

for Asthma, Whooping Cough, Spasmodic Croup, Catarrh, Colds, Sore Throat, Bronchitis, Broncho-Pneumonia, Scarlet Fever, Measles.

SEVERAL TOWNS STILL OPEN FOR SOLE AGENCIES.

THE COAL BY-PRODUCTS COMPANY,
112 HIGH HOLBORN, W.C. 1.
Telegrams: "Cobyproco, Westcent, London."

LOZENGES

PASTILLES

EUCALYPTUS OIL

Jules Denoual & Co.
CARLTON WORKS,
ASYLUM RD., PECKHAM, S.E.15

CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.
40 DIFFERENT KINDS.
Special Quotations to Wholesale Buyers

THE
"MATER"
LENS FRONT (Regd.)
CLINICAL THERMOMETER.
P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.
Made in Two Rapidities, 1 Minute and ½ Minute.

New Price List of Thermometers for every purpose, post free.

PERKEN, SON & CO. LTD.
ESTABLISHED 1852.
Contractors to H.M. Government.
99 Hatton Garden, LONDON.

DODGE & OLCOTT CO.,
20 MARK LANE, LONDON, E.C.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS, Angosturas.

'Phone: CITY 2468.
Telegrams: "EGDARF, FEN, LONDON."

EUCALYPTUS OIL
(RECTIFIED).

Eucalyptol Content	70/80 %
Optical Rotation	0 to 1
Specific Gravity	·919 to ·928

Absolutely Free from Phellandrene.
Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.
New Postal Address— 439 Flinders Lane, Melbourne.
Cables—"Burnside Company, Melbourne."

PURE ESSENTIAL
OIL OF HOP.

PRICE AND INFORMATION FROM THE DISTILLERS:

WHITE, TOMKINS & COURAGE, Ltd.
Head Office:
48 Mark Lane, LONDON, E.C. 3,
and at LIVERPOOL, BELFAST, BOSTON.

FIELD'S "SIANARA" (Regd.) Toilet Soap

With the Enchanting Perfume of OLD JAPAN.

A SUCCESSFUL NEW LINE,
SUPPLIED IN
STANDARD 3½d. SIZE & SHAPE
ALSO
3½d., 4½d., 5½d., & 6d. ROUND BATH

Let us quote you for your Proprietary Soaps.

J. C. & J. FIELD, Ltd., Toilet Soap Experts. LONDON, S.E.1.

Telegrams: "OZOKERIT, PHONE, LONDON." ESTABLISHED 1642. Telephone: HOP 3905.

LOVELY EYELASHES (A BRITISH SCIENTIFIC TRIUMPH)

P.A.T.A. Sells at 1/-, 1/9 and 3/6

grown and kept so by the application once daily of the colourless harmless eyelash food. Beneficial to the eyes

CURLASH CREAM

Extensively and continuously advertised.

Endorsed by Mrs. Martin Harvey, Miss Nancy Price, Miss D. Tree, Miss Elizabeth Risdon, and hundreds of other ladies of discrimination.

Testimonials received daily. Stocked by Butler & Crispe, Sangers, and other Wholesalers. Try a dozen 1/- size in your next wholesale order. We will supply you with dummies and framed showcard for small window display. **MAKES CONSTANT CUSTOMERS.**

THE D. BALDWIN MFG. CO., LTD., Wigmore St., London, W. 1.

ROBARTES' FOUR

Diadem Vanishing Cream.
The New Cream for discerning women, put up in original white globes, P.A.T.A. 3/9, costs you 30/- doz.

Diadem Face Powder.
The fragrant powder in the dainty striped box. P.A.T.A. 2/6, costs you 20/- doz.

Decoltene.
The wonderful, pleasant, effective liquid Hair Remover. Sells and gets repeats. P.A.T.A. 3/9, costs you 30/- doz.

Dinkie.
The dainty deodorant that eliminates all odour of perspiration, P.A.T.A. 2/6, costs you 20/- doz.

Ask your Wholesaler. Artistic showcards, etc. with orders.

Robartes, Ltd., 128 Jermyn St., London, S.W. 1.

BRITISH NOW

Send for Price List and Trading Terms.

ODOL
Chemical Works, BERKHAMSTED.

C.V. & S.—3.

ATTRACTIVE SHOWCARD.
ARRESTING PUBLICITY.
IMMEDIATE SALES.

N.B.—A postcard to-day brings a sample for trial.

There's Money in "*Regina.*"

The **handsome profit** on "Regina" makes "Regina" worth while. Apart from the profit, you are handling an article that is splendid value for the money, a point freely conceded (as our correspondence shows) by the public and the trade. Experience proves that, from ***every*** point of view, "Regina" is a really good trading proposition.

PRICE'S

"*Regina*"

SHAVING STICK.

PRICE'S, Battersea, LONDON, S.W. 11.

NOTHING LIKE LEATHER
for boots, straps and such like—and
NOTHING LIKE
SEMREH
BOTTLE CAPS
for capping purposes.
Why use split skins when up-to-date methods are available? Details from
THE VISCOSE
Development Co., Ltd.
BROMLEY, KENT.

Capping Skins

WHITE SPLITS, BAUDRUCHE

SPRINKLERS

Arthur Toombs & Co.

110 CANNON STREET, LONDON, E.C. 4.

Telephone No. CENTRAL 13374
Telegraphic Address— "DEFLECTION, CANNON, LONDON."

A NEW FACE POWDER

The attention of Chemists is directed to a New Face Powder for which a large and growing sale will be created by advertising and other means. The name of this Powder is

POUDRE FIFINE

Poudre Fifine possesses special Tonic Properties, which benefit the skin, besides being one of the most exquisite Face Powders ever placed on the market. It has the qualities of a Face Cream and the advantages of a Powder.

That it will become immensely popular, the glowing testimonials already received surely indicate.

Poudre Fifine is packed in artistic cardboard boxes for the Boudoir.

Chemists can obtain supplies on the following advantageous terms:—

22/- per Dozen Boxes, or £12 per gross.
Retail price 2/6 per box;

It is sold in four tints:—
RACHEL, NATURELLE, ROSEE, & BLANCHE.

Sole Manufacturers from whom particulars can be obtained:—

RAJEEN PERFUMERY Co.,
89 Farringdon Street, London, E.C. 4.

LIQUID PARAFFIN

B.P.

All Gravities. *Correct Viscosity.*

PETROLEUM JELLIES (Yellow & White, B.P.)

TECHNICAL PETROLEUM JELLIES.

STERNS LTD.
Royal London House,
FINSBURY SQUARE,
LONDON, E.C. 2.
Telephone:
3797 London Wall (4 lines).
Telegraphic Address:
"Centumvir Phone London."

WHITE AND HALF-WHITE OILS.

PARAFFIN WAX.

BLOOMLESS OILS.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz, less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

Sole Proprietors—
C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E. 1.

'KO-TAL-KO'

CERTAIN IN RESULTS and CERTAIN IN SALES

THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

IT PROFITS EVERYONE.

"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

RETAIL PRICE P.A.T.A.
5/- Size
12/6 ,,

ORDERS AND DETAILS FROM
J. Hart Brittain Ltd
(Dept. C.D. 2),
2 PERCY ST., LONDON, W.1.

TRADE PRICE
48/- per doz.
112/6 ,,

LIST No. 825c.

THE LINE THAT SHOWS A GOOD PROFIT

WHOLESALE, **90/-** PER GROSS

USUAL TERMS.

RETAIL - - - **1/-** PER STICK

PACKED IN TINS AND CARTONS.

LIST No. 825c.

A Stick that Sells Itself!

EDWARD COOK & CO. Ltd.

The Soap Specialists,

THE SOAPERY, BOW, LONDON, E. 3

MASON'S EXTRACT of HERBS

The most Refreshing, Delightful, Exhilarating, Health-giving, Economical, Thirst-quenching Beverage in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

NEWBALL & MASON
NOTTINGHAM.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists
HULL

INVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins		9d.	6/6
* " " " " "		1/6	13/-
* " " " "	bottles in cartons	1/6	13/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

Owing to the great increase in the cost of raw material and containers for our Losall's Salt, we are compelled to raise the trade prices, but the retail protected prices are proportionately increased.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema	1/6	13/6

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

TITTERTON'S CELEBRATED HAIR BRUSHES

GOOD PROFITS are made by selling **TITTERTON'S CELEBRATED BRUSHES** *(Hair, Tooth, Nail & Shaving Brushes).*

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

TITTERTON & HOWARD,
Brush Manufacturers,
3 & 10 Great Titchfield St., London, W.1.

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

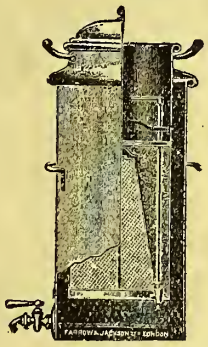
LES ETABLISSEMENTS POULENC FRERES

92, RUE VIEILLE DU TEMPLE, PARIS.

"TOWER" ASBESTOS FILTERS.

For the clarification of

PHARMACEUTICAL PREPARATIONS



with the "FARJAK" Filtering Mediums, Pure, Neutral and Specially Graded.

Also Filters with Earthenware Casing and internal Fittings entirely free from metal.

Filling, Corking, Capsuling Machines, &c.

FARROW & JACKSON

ESTABLISHED 1798 LTD.

Engineers to the Bottling and Mineral Water Trades,

16 GREAT TOWER STREET, LONDON, E.C. 3.

"GLACIALINE"

The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.

TRADE MARK

By Royal — ANTITROPIC Co. — TRADE — ESTD — GLACIALINE — MARK — A.D. 1876 — Letters Patent — WASTE·NOT·WANT·NOT

RECISTERED.

Full directions for use enclosed in every package.

Packed in 6d. and 2/- Packets and 2/3 Canisters.

FAVOURABLE TRADE TERMS UPON APPLICATION TO THE

Sole Proprietors and Manufacturers:

BURTON, BAKER & CO.

16 EASTCHEAP, E.C. 3.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

"WAVCURL" promotes Curly Hair.

Get ready to sell. This preparation is largely advertised, and the public want it. It is well recommended for curling the hair, and there is nothing like it on the market. It is of thoroughly British manufacture. You should stock it. We allow about 50% profit. It sells at sight.
1 dozen packets, retail 1/6 each, at 9/- per dozen.
1 dozen Fluid (in bottles), retail 2/9 each, at 21/- per dozen (P.A.T.A. protected).

THE NEW WAVCURL COMPANY, Fullwood House, High Holborn, W.C.1.

Viuda de José Solernou

Diputacion 161, Barcelona, Spain.

Agency & Representative House. Established in 1875.
Member of the British Chamber of Commerce at Barcelona.

AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

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Dairy Produce Importers.

NIEUWHOF, SURIE & CO., LTD.

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Works & Warehouses : 9 ALDGATE AVENUE, LONDON, E.

TELEPHONES - - AVENUE 34 & 35
TELEGRAMS - - "SURICODON, LONDON."

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."
The Practitioner.

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TRADE MARK

Of proved utility in Nervous Diseases, and a Powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value, enhanced by the presence of assimilable phosphates."—*The Lancet.*

Wholesale Prices:

No. 1.	1½ oz. Tin ...	9/-	per doz.
" 2.	3½ " " ...	14/6	"
" 3.	6½ " " ...	24/-	"
" 4.	13 " " ...	42/-	"

Introduced and prepared only by

MIST. PEPSINÆ CO. c. BISMUTHO

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."
British Medical Journal.

C. J. HEWLETT & SON, Ld., Wholesale Druggists, 35-42 Charlotte St., LONDON, E.C.2.

Important Notice

INCREASE OF PROFIT TO CHEMISTS

As stated in the Protected List of THE P.A.T.A. the MINIMUM RETAIL SELLING PRICE of

Kutnow's Powder

IS NOW 2/9 PER BOTTLE (FACE VALUE)

This yields a considerable increase of profit to chemists, nevertheless Messrs. KUTNOW are keeping to their wholesale price, as hitherto, in spite of the enormous rises in the cost of all the materials, bottles and everything else in connection with the manufacture of KUTNOW'S POWDER. In view of the above facts, Messrs. KUTNOW trust that both the wholesale and retail trade will co-operate with them in creating a still greater demand for KUTNOW'S POWDER, and that no substitutes for KUTNOW'S POWDER will be offered to the public in future.

Replenish Your Stock

The public want the best in business, the best in art, the best in literature, the best in everything that lies within their means. The successful business man caters to supply what the public demand. Kutnow's Powder is one of the best morning aperients extant. It is in constant demand all over the world, and no remedy holds a firmer position in the estimation of the public and the medical profession. A window show of Kutnow's Powder is always remunerative. It attracts attention and sells itself without any trouble.

SEND THIS COUPON FOR SHOWCARDS FREE OF CHARGE

To S. KUTNOW & CO., Ld.,
41 Farringdon Road, London, E.C. 1.

Please send me Showcards, carriage paid.

NAME.....

ADDRESS.....

.....

"Chemist & Druggist," March 2, 1918.

S. KUTNOW & CO., Ld., 41 Farringdon Road, London, E.C. 1.

Mustard?

—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN
6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

SPRING'S

PACKED TABLE

HONEY

All Varieties, i.e., "White Clover," "Heather," etc.

SPRING & CO., Ltd., BRIGG, LINCS.

(The Largest Collectors and Packers of Honey in Gt. Britain)
(*Supplies temporarily suspended*).

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies. Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

Sound Corks

Sound as the Pyramids.

Trade-marked in this way so that their predominating qualities may "stand out" more than ever. You try them and see! And if you're not satisfied send them back and get your money.

PYRAMID TRADE MARK

Pyramid Corks - the kind that stand the test.

N.W. Mitchell & Sons, Ltd.,
The Cork Firm, London, E.14.

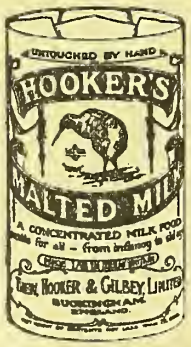
Write to-day please

HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

SELLS ENTIRELY ON MERIT.

There is no Higher Quality or Better Value



BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

SAVORY & MOORE'S MILK PREPARATIONS

REVISED PRICES.

Owing to the increase in the cost of all materials, labour, and standing charges generally, Savory & Moore give notice that the RETAIL PRICES of their

PEPTONISED MILK (CONCENTRATED),
" COCOA & MILK,
" COFFEE & MILK (CAFE ZYLAK).

have this day (March 1st) been advanced from 1/6 and 2/6 to **1/9** and **3/-** per tin.

The WHOLESALE PRICES are advanced proportionately and are as follows :—
1/9 tin, **17/6** per dozen 3/- tin, **30/-** per dozen
subject to the usual terms.

Steps will be taken to protect the revised retail prices at "FACE VALUE."

143 New Bond Street, London, W. 1.

March 1, 1918.

More Customers

The Beverage

of Health

Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window—it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.

The Watford Mfg. Co. Ltd.
Delectaland —— Watford.

Vi-Cocoa

"Prana" Sparklets.

NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,
"Prana" Sparklet Works,
Upper Edmonton, N.

ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

ENSURE THE FUTURE

WHEN peace comes we shall have to pay for the war by increased production, and thereafter the struggle between the nations for industrial supremacy will be acute.

Do you realise that in one very important essential we are severely handicapping our posterity in the coming contest?

Our unscientific methods of fuel consumption will spell disaster sooner or later, for we are draining our coal reserves at a rate entirely disproportionate to that of other nations possessing far greater stocks—and, when home-produced coal is no longer plentiful and comparatively cheap, our industries are doomed.

By banishing crude coal from home and factory, millions of tons of coal could be saved annually and valuable residuals conserved for industrial and agricultural purposes. Help to ensure Britain's future stability by enlightened practice in this urgent matter: full and free information can be obtained from the address given below.

THE BRITISH COMMERCIAL GAS ASSOCIATION

47, *Victoria Street, Westminster, S.W.* 1.

x 1a

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

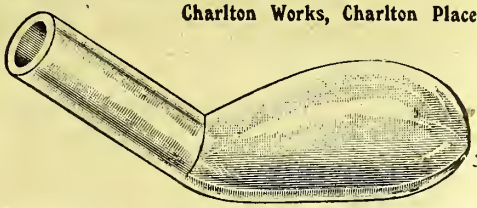
Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

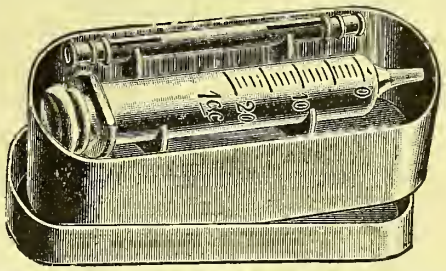
We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles. *Send us your inquiries and ask for our Stock List.*

JULES LANG & SON

Charlton Works, Charlton Place, ISLINGTON, LONDON, N.



Sole Proprietor: FERNAND RENÉ LANG.



Telegrams: "Assorted, Nordo, London." Telephones: North 1544-5.

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, Ltd., BIRMINGHAM

THE ELCO BRAND

The Brand of Quality.

The "ELCO" Brand is a link between your Pharmacy and your customer. The remembrance of satisfaction is focussed on the "Brand."

Write for particulars.

EVANS SONS LESCHER & WEBB LIMITED,
Liverpool New York London

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MANUFACTURERS AND MERCHANTS
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New York Milan Paris Petrograd

ASPIRIN
B.P. Crystals & Tablets
PHENACETIN
THEOBROMINE
ALKALOID
THEOBROMINE
SODA SAL.

SALICYLIC ACID
SODA SAL.
SALOL
Methyl Salicylate
ACETIC ANHYDRIDE
PERMANGANATE POTASH

22/18

TRADE MARK

'WELLCOME' BRAND
Toilet Lanoline

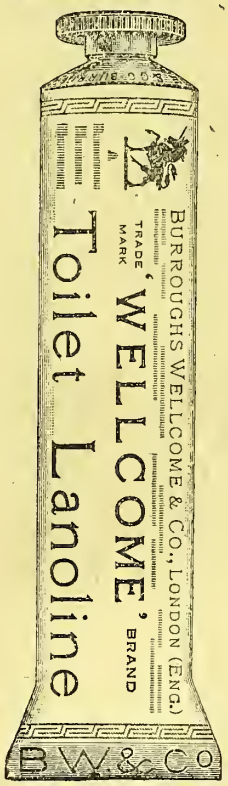
Just the thing for window displays during March

'Wellcome' Brand Toilet Lanoline is rapidly winning favour on account of its superb quality.

There is sure to be a brisk demand for it as a protection for sensitive skins against the cold March winds.

Why not make the product a special feature during this month — it is sure to be worth while.

Supplied in tubes of two sizes at **6/0** *and* **12/0** *per dozen, subject. Each size strung on neat display cards of 6 tubes.*



The large cap affords a good grip

Actual size of smaller tube

Burroughs Wellcome & Co.
London

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THE BRITISH DRUG HOUSES Ltd.

B.D.H.

For Electric Light only.

Supplies free on request.

ADVERTISING LAMPSHADES

Attractively printed in colours.

The panels relate to

FICOLAX

and

EASTERN FOAM

Pharmacists are invited to apply for a free supply of these Shades, mentioning number which can be utilised.

22-30, Graham Street, City Road, London, N.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Подписная цѣна на еженедѣльный журналъ съ приложеніемъ Годового Дневника—12 шиллинговъ 6 пенсовъ на годъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: MELBOURNE AND SYDNEY, AUST.

CONTENTS: No. 9 (Series No. 1988), Vol. 90.

	PAGE
Business Changes	34
Chemist's Title	36
Coming Events	33
Corner for Students	34
Correspondence:	
Letters	50
Subscribers' Symposium	51
Legal Queries	51
Miscellaneous Inquiries	52
Deaths	38
Editorial Articles:	
Physiological Action of Alcohol	42
Insurance Dispensing Difficulties: IX.—Ingredient-charges	43
Reconstruction Problems: IX. — Reforming the Society	43
War Taxes	44
Sale of Malt Extract	44
Profits on Proprietaries	44
Venereal Scheduled Areas	44
Chemical Trade Control	44
English News	35
European War	33
Information Department	40
Insurance Act Dispensing	47
Irish News	36
Legal Reports	37
Marriages	38
Military Tribunals	34
New Books	45
New Companies and Company News	37
Observations and Reflections	41
Personalities	39
Poisonings	35
Retrospect	52
Scottish News	36
Tales of Oenophus	34
Trade-marks	40
Trade Notes	41
Trade Report	48
Westminster Wisdom	40
Wills	39
Winter Session of Chemists' Associations	45

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, March 4.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Dr. W. R. Hodgkinson on "Some Reactions of Acetylene," and Mr. S. J. Tungay on "Acid-resisting Iron and its Uses for Chemical Plant."

Wednesday, March 6.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Mr. A. H. Paterson on "The Foundation of Industrial Peace."

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Friday, March 8.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Professor E. H. Barton, F.R.S., on "Vibrations: Mechanical, Musical, and Electrical."

West Ham, etc., Association of Pharmacists.—In place of the annual dinner a social evening has been arranged to take place at 6 P.M. on March 14 at the Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C. Tickets (2*s.* 6*d.* each, two or more 2*s.* 3*d.* each) from Mr. Alex. Catto, 49 Cranbrook Road, Ilford. Ladies are specially invited.

European War News.

Import and Export Notices.

France.—The decree of December 10, 1915, by which hyposulphite of soda was allowed to be exported and re-exported from France, without special authorisation, when consigned to the United Kingdom, the British Dominions, Colonies, and Protectorates, and certain other countries, has now been abrogated. The notice on p. 33 of the *C. & D.*, February 16, relative to exports from France to Scandinavia and Holland, which was quoted from the "Journal Officiel" of January 23, has been withdrawn. [The original announcement, it will be remembered, allowed a number of scarce pharmaceutical products and medicines to be exempted from the general embargo on exports from France to the Scandinavian countries and Holland.—Ed.]

Holland and Sweden.—The Director of the British War Trade Department announces that, after consultation with the United States and Allied Governments, it has been decided to resume the issue of licences in approved cases for the export to Holland and Sweden of certain commodities, a complete list of which appears in the current issue of the "Board of Trade Journal." The list includes acetylsalicylic acid, amidol and substitute, ammoniac compounds, arsenobillon, bromine, chamomile, digitalis, eucaine, ferric compounds, hydrobromic acid, kharsivan, metol, nitrate of silver, novocaine, opium alkaloids, salicylic acid, salvarsan, sodium bromide, and surgical and medical appliances, other than appliances containing rubber.

Norway.—The exportation of bismuth and compounds from Norway has been prohibited.

Sweden.—Cupriferous purple ore, sensitised paper, disinfectants, oils, fats, wax, glue, gum, and similar materials have been prohibited for exportation from Sweden to all countries, and also in transit through Sweden.

United Kingdom.—The "London Gazette" of February 26 announces (1) *That the undermentioned exports should be deleted* from the list of prohibited exports: Chemicals, etc., the following: (A) Ammonium nitrate, perchlorate, sulphate, and sulphocyanide; (C) pitch, and all mixtures, preparations and commodities of which pitch forms an ingredient; (A) soap containing more than 1 per cent. of glycerin; (C) soap (except soft soap) containing 1 per cent. or less of glycerin, (B) soap, soft, containing 1 per cent. or less of glycerin. (2) *That the following headings should be added*: Chemicals, etc., the following: (A) Ammonium nitrate and mixtures containing ammonium nitrate; (A) ammonium perchlorate and mixtures containing ammonium perchlorate; (A) ammonium sulphate and sulphocyanide; (C) pitch, and all mixtures, preparations, and commodities of which pitch forms an ingredient, not otherwise specifically prohibited; (A) soap, including soft soap.

Personalia.

Private William Morton Sandiford, Royal Welsh Fusiliers, is in hospital abroad, suffering from trench fever. Prior to joining the Army he was with Joseph Brooks & Co., Ltd., wholesale druggists, Shudehill, Manchester.

Major J. Douglas Drysdale (J. W. Drysdale & Sons, 16 Fish Street Hill, London, E.C.) has been gazetted Field Commander, Royal Flying Corps, at No. 1 Aircraft Depôt, France. Major Drysdale relinquished his commission in the Middlesex Regiment and joined the R.F.C. as private. He had been previously mentioned in Sir Douglas Haig's despatches for distinguished and gallant services with the R.F.C., so that his promotion to command is well deserved. [Corrected notice.]

Miscellaneous.

Malt Restriction.—The Malt (Restriction) Order, 1918, issued this week, prohibits, except under licence, the manufacture, sale, purchase, delivery, and use of any malt or malt extract on and after March 1, 1918 (see p. 44).

Belgian Doctors' and Pharmacists' Relief Fund.—Among the subscribers to this Fund since our last announcement are Mr. F. W. Gamble, 2*l.* 2*s.*; Mr. A. Chapman, 10*s.*; Mr. W. H. Quarrell, 1*l.*; Mr. R. A. Scott, 1*l.*

Sale of Sweetmeats.—The Food Controller announces that on a retail sale of sweetmeats there may, in ascertaining the weight of the articles sold, be included the weight of any tinfoil, wax-paper, or other like wrappings of a size, weight, and character customarily in use on a sale of such articles before January 11, 1917; and the maximum prices chargeable shall be ascertained accordingly.

German Censors' Tricks.—In the course of a letter received by Mr. J. J. Booth (Booth & Co., wholesale druggists, Idle) from his brother, Company Sergeant-Major W. Booth, now in Holland after release from confinement in

Germany, it is stated that so thorough is the search of the German censors that cigarettes sent to prisoners of war are cut in halves. The letter was originally written last May, but was stopped by the German authorities.

Price of Oatmeal.—The Food Controller has increased by ½*d.* per lb. the maximum retail prices of oatmeal, rolled oats, flaked oats, and similar products of oats and of oat-flour. The Order came into operation on February 21, with maximum retail prices as follows: Oat flour.—In England and Wales, 2*s.* 10*d.* 7 lb.; 5*d.* per lb. for smaller quantities. In Scotland, 2*s.* 6½*d.* 7 lb.; 4½*d.* per lb. Oatmeal, rolled or flaked oats, etc.—In England and Wales, 2*s.* 6½*d.* 7 lb.; 4½*d.* per lb. for smaller quantities. In Scotland, 2*s.* 3½*d.* 7 lb.; 4*d.* per lb. For sales in the Scottish islands the Food Commissioners for Scotland may authorise a sum not exceeding ½*d.* per lb. to be added to the schedule prices. The Order does not apply to Ireland.

Formation of Trusts.—The Minister of Reconstruction, Dr. Addison, has appointed a Committee with the following terms of reference:

In view of the probable extension and development of trade organisations and combinations, to consider and report what action, if any, may be necessary to safeguard the public interest.

The members of the Committee are as follows: Mr. E. Shortt, K.C., M.P. (Chairman), Mr. Percy Ashley, Mr. E. Bevin, Mr. J. H. Guy, Mr. J. A. Hobson, Mr. J. F. Mason, M.P., Mr. G. Scoby Smith, Mr. W. H. Watkins, Mr. Sidney Webb, and Mr. Douglas Wenham. Mr. John Hilton will act as Secretary of the Committee, and all communications should be sent to him at 33 Dean's Yard, Westminster.

Company Law Amendments.—The President of the Board of Trade has appointed Lord Wrenbury (Chairman), Mr. A. S. Comyns Carr, Sir F. Crisp, Mr. G. W. Currie, M.P., Mr. F. G. Farrer, Mr. F. Gore-Browne, K.C., Mr. J. Martin, the Hon. A. H. Mills, Mr. R. D. Muir, Mr. C. T. Needham, M.P., Mr. H. A. Payne, C.B., Sir O. Philipps, M.P., Sir W. Plender, Mr. O. C. Queckett, and Mr. A. W. Tait a Committee to inquire what amendments are expedient in the Companies Acts, 1908-17, principally having regard to circumstances arising out of the war, and of the developments likely to arise on its conclusion, and to report to the Board of Trade and to the Ministry of Reconstruction. The Secretary to the Committee is Mr. W. W. Coombs, M.B.E., 55 Whitehall, London, S.W. 1.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Bromley (Kent).—Messrs. H. H. Cuthbert, chemist and druggist, Shortlands, and H. Farrar, assistant with Mr. R. C. Davenport, chemist and druggist, London Road, were exempted for three months; Mr. A. Hall, assistant with Mr. John Timmis, chemist and druggist, Mason's Hill, was exempted for six months.

Dartmouth.—Mr. W. W. Wilcock, chemist and druggist, was finally refused exemption and given till March 15.

Redhill.—The adjourned case of Mr. Harry Hocken, chemist and druggist (*C. & D.*, February 16, p. 34), was further considered, and replies were handed in from local pharmacists who had been approached with a view to running Mr. Hocken's dispensing department in co-operation and releasing him for the Army. One chemist wrote: "If a manager can be found the chemists are prepared to act as a Committee of Supervision." A second chemist wrote: "The pooling idea is impracticable and has evidently not been suggested by those cognisant of pharmacy." Another firm replied: "There are any number of men in the Army who would be more useful out of it." The Secretary of the Pharmaceutical Society wrote: "It is humanly impossible to find you a man. With regard to the possibility of releasing Mr. Hocken, we have made repeated and useless attempts to release men who are low-graded and doing useless work in the Army." The case was adjourned for three months, with the understanding that Mr. Hocken would do his best to obtain a man to take over the management of his business.

One-man Businesses.—At a meeting of the Southwark Tribunal, the Chairman said it was essential that they should at once take steps to see what could be done to preserve the one-man businesses. At Hammersmith arrangements had been made for the working of sixty small businesses. It was suggested that where there was in a district a number of small shops engaged in the same trade a buyer should be appointed to purchase what was required for them, and the goods could afterwards be distributed by the wives of the men who had joined up.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

A Mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, March 12, on which day the samples will be posted. Students' reports will be received up to Saturday, March 23. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fifth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Tales of Oenophus.

XI.—Concernynge Farmasystres.

In ye Dimme, Darke Ages ye Mail Personc attributed unto Hymselfe ye Summe Totale of ye Vertues. None dare saye Hym Neigh. Soe he prynked posefullie in Ye Lymelighte what tyme ye Femail of ye Species tooke a Verie Backe Seate in ye Gallerie and rendered Dutifull Plaudits.

Butte Tyme wrote Sweepynge Changementes, and soon Trepidatione was felte concernynge ye Sanctitie of ye Greate Cakkle-Shoppe ytselfe.

E'en in ye Purlieus of Bluhmsbré there was Muche Quakemente and Hartburnynge. For Manie Maydens proved to Flyntie-harted Examyners that Farmazooticks was to Them but Childsplaye. And Wise Ones, with Sadde Shakynge of Heddes, gave forth ye Dictum:

"These Farmasystres maye cozen Unwittynge Examenynge Persones, but They have No Ballaste; they lacke Busyness Ackumine."

Whereupon upriseth ye Ladye Margrete of Kirrymoore and Wineth ye Floore with Ye Ackuminestes, makynge Unheardoffe Constructyve Criticysme.

Whyche augureth a Pressynge Neede for a Leaven of Ladye Margrete in ye Counsel of Wisdome. And One hath prophesied ye Farmazootick Motto of After Years as thuswise:

"For a Leader looke to Margrete; for a Helper Borrowe Manne."

In good sooth a Subtle Sayinge, my Masters.

Business Changes.

Mr. Ernest M. Savage, chemist and druggist, has purchased the business of A. S. Cheetham, Ltd., 10 Royston Parade, Beckenham Road, Penge, London, S.E.

E. Williams & Co., medical and scientific glassware makers, have removed their offices from their works at Fairfoot Road to 163 Bow Road, London, E. 3.

Mr. W. Maurice Jones, chemist and druggist, having been called to the Colours, has sold his pharmacy, Prescot Road, Fairfield, to Mr. A. Wynne Thomas, chemist and druggist. Mr. Thomas formerly carried on business in Kensington, Liverpool.

Frank Newbery, Ltd., which was recently taken over by Francis Newbery & Sons, Ltd., London (*C. & D.*, September 15, 1917, p. 37), has now been removed from Reading, and is housed at 27-28 Charterhouse Square, London, E.C., where the specialities are obtainable so far as war restrictions permit.

Soap-cards have lately been useless in Budapest owing to the factories being closed.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Guardians' Affairs.

The Local Government Board Inspector has suggested to the Burnley Guardians that they should supply the outdoor sick poor with drugs and make a deduction from the salaries of the medical officers. The Guardians think it unwise at the present time to follow his suggestion.

Birmingham.

Garlic is being used locally as a remedy for diphtheria, whooping cough, typhoid fever, and tuberculosis!

"Cod-liver oil: 100 gallons in tin-lined barrels, 16*s.* 6*d.* a gallon, f.o.r.," runs an advertisement in the "Birmingham Daily Post" of February 23.

Mr. W. Partridge's lecture at the local Association's meeting on February 21 was a great success. There was a crowded audience, and much appreciation of his efforts was expressed in the hearty vote of thanks accorded him.

"Rhetoric and cinnamon," writes a solicitor in a letter in the local Press, "are the two possessions necessary for a bad case." Here, perhaps, is a hint for the author of some future treatise on materia medica—unless the cinnamon is only the solicitor's rhetoric.

Mr. Lewis Willdey (Birmingham representative of Evans Sons Lescher & Webb, Ltd., Liverpool) presided at the presentation to Private Cecil John Kinross, V.C., Canadian Infantry, who received a gold watch suitably inscribed, a gold chain, a wallet containing Treasury notes, and an illuminated address.

The address delivered to the Birmingham Chamber of Commerce on December 17, 1917, by Mr. Arthur Kitson (Kitson-Empire Lighting Co., Ltd.) on "How the Present Banking System Restricts Trade," has been published as a pamphlet. Speeches by the Chairman (Mr. Wilfrid Hill) and other members are included.

Liverpool.

Mr. George W. Marris, Ph.C., who accepted the invitation of the Liverpool Chemists' Association to lecture on "Eucalyptus" this week, is a senior member of the laboratory staff of Evans Sons Lescher & Webb, Ltd.

Mr. Charles Wherly presided at the meeting of Wallasey chemists on February 21, when Mr. John H. Robinson lectured on "Eccentrics" with general appreciation. The Chairman testified to the lecturer's example and propaganda in window- and counter-display, to which pharmacists are giving increased attention.

Mr. J. G. Tringham (Ayrton, Saunders & Co., Ltd.) is delivering up and down the country a series of lectures entitled, "Tales that Tell; or the Art and Part of Publicity"—half-hour talks to provoke discussion and carry pharmacists a little bit further on their way. He has met with great success in evoking spirited and profitable argument among members of the retail trade.

"Can you tell me where I can find a few laboratory chemists to tests oils and fats in margarine-factories?" The question was addressed by an official to a central-area pharmacist. "In the Army you will find them, doing labourers' work maybe," was the reply, and the official passed on his way deep in thought. Owing to the scarcity of laboratory men, Manchester is borrowing chemists from Liverpool.

Manchester.

At Manchester Assizes on February 21, John Lord Stansfield, chemical-manufacturer, was sentenced to twelve months' imprisonment for forging and uttering a consignment note with intent to defraud (see *C. & D.*, February 23, p. 35).

The Manchester School of Technology has recognised that many of its undergraduates, after completing their course of training in applied science and technology by practical works experience, will, before long, occupy positions as managers. It is considered that the science and practice of works management ought to be studied not merely as a subsidiary subject, but as an essential element of University training; and with this end in view a group of large firms engaged in the principal industries of the Manchester district have offered to the Governing Body of the School of Technology the sum of 3,000*l.* towards the cost of establishing a new department of Industrial Management. A salaried lecturer is to be appointed, and other experts will assist in giving instruction.

Sheffield.

Some system of fixing retail war prices is needed in Sheffield. Such articles as olive oil vary at present by as much as 100 per cent.

Chemists who have not secured their authority for the purchase of lard should make immediate application at the Food Control Office, Rockingham Lane.

The Board of the Early Closing Association have asked the Sheffield chemists to send a delegate to a Mansion House meeting on March 21 on the subject of the proposed forty-eight hours' week.

Mr. John Evans, Ph.C., city analyst, who has been investigating, together with the medical officer of health, the question of the growth of white beet in the district, has obtained from 15 to 20 per cent. of sugar from experimental specimens.

There is a growing feeling among local pharmacists of the younger generation that active steps should be taken to secure the return of the right men at the forthcoming Council election. "Man" is held to include woman, and it is suggested, *à propos*, that more social intercourse among pharmacists would be to the general benefit.

Miscellaneous.

POISONINGS.—At a Westminster inquest on February 22 concerning the death of Lieutenant Robert Noble Gilmour, Canadian Forestry Corps, who died in hospital on February 19, evidence was given that he was found on February 12 suffering from the effects of poison, and subsequently said that he had taken two corrosive-sublimate tablets in mistake for aspirin tablets. A verdict of "Death by misadventure" was returned.—After an injection of cocaine administered by Mr. Alexander Scotland, an unregistered dentist practising at Townsend Street, Belfast, Mrs. Eliza A. O. Hamill died on February 20. It was pointed out on behalf of Mr. Scotland at the inquest that the anæsthetic (produced) was marked "a safe and reliable preparation," and Professor W. St. Clair Symmers stated that the patient was in a condition of lymphatism. A verdict in accordance with the evidence was returned.

SALE OF FOOD AND DRUGS ACTS.—The Birmingham city analyst (Mr. J. F. Liverseege, F.I.C., Ph.C.) refers in his recent annual report to a case of inaccurate dispensing (*C. & D.*, April 7, 1917, p. 37), and states that in fourteen samples of seidlitz-powders there was carelessness in mixing or weighing, the sodium bicarbonate being in some cases deficient, and the weight of the tartaric-acid powder varying from 1.8 to 3.7 grams. Six samples of boric-acid ointment contained respectively 8.5, 19.5, 11.5, 0.5, 0.5, and 12.6 per cent. of boric acid; and Mr. Liverseege suggests the last three (obtained from the same vendor) had been poured into boxes while in a liquid state. Three samples of zinc ointment showed variation from the Pharmacopœial standard; three samples of camphorated oil were deficient by 33, 15, and 12 per cent. respectively; and two samples of Glauber's salt contained respectively 40 and 35 parts of arsenic per million.—The Leicestershire county analyst reports that during the last quarter he examined thirty-two samples of Epsom salt, seven of which were found to exceed the lead limit and one the arsenic limit, while another consisted of Glauber's salt. "The present liability of Epsom salt to contamination," he adds, "is no doubt due to difficulties in connection with obtaining manufacturing acid of the necessary purity, owing to the exceptional conditions."

POLICE-COURT CASES.—At Bournemouth Police Court on February 21, Timothy White Co., Ltd., 282 Old Christchurch Road, were fined 1*l.* on each of three summonses, and costs, for having on their premises a trade weight which was unstamped and unjust, and two unstamped glass measures. It was stated in defence that the weight in question was used for breaking up hard substances, but through negligence had been put with the trade weights, which were tested quarterly, and that the measures should have been placed in the photographic cupboard.—At Leicester Police Court on February 23, Terence Morgan, carter, charged on remand with stealing a box containing Benger's Food and other articles, the property of T. E. Butler, Son & Co., wholesale druggists (*C. & D.*, February 23, p. 36), was sentenced to six months' Borstal detention.—At the Mansion House Police Court, London, on February 21, Frank Thos. Slade (15), messenger-boy, and Wm. Hy. Pennyfather (34), printer, were remanded on a charge—Slade of stealing twelve bottles of Icilma cream, two boxes of Peps, and twelve tablets of soap, and Pennyfather of receiving two boxes of soap, well knowing it to have been stolen, the property of Barclay & Sons, Ltd., wholesale druggists, 95 Farringdon Street, the employers of the lad. According to the police, Slade had been systematically robbing the company for months past. Pennyfather was allowed bail in 10*l.*

Irish News.

Brevities.

The Irish Chemists' Assistants' Association organised a sweepstake on the Tipperary Cup.

At a ballot of War Bonds in Londonderry on February 22, Mr. R. McCoy, Castlederg, obtained the second prize, consisting of a 20*l*. War Bond.

On February 26 the house of Mr. D. S. Bennett, Ph.C., Avoca Cottage, Cahirciveen, was entered by burglars. Some food was taken, but the barking of the dogs disturbed the thieves.

The supplies of sugar in Ireland are regulated on the same basis as that followed in Great Britain, was the reply given by Mr. Clynes to a question in the House of Commons on February 25.

At the annual meeting of the Belfast Wholesale Merchants' and Manufacturers' Association on February 21, Mr. Wm. Doig (W. Doig & Co., wholesale druggists, Mill Street) was elected as a member of the General Committee, as was also Mr. G. Wilson, J.P., of Wilson, Jordan & Alexander, Ltd., druggists, Tomb Street, Belfast.

The Calendar of the Pharmaceutical Society.

The Calendar of the Pharmaceutical Society of Ireland for 1918 has been issued this week, and is obtainable for 2*s*. 6*d*. from the Registrar of the Society, 67 Lower Mount Street, Dublin. It is larger than last year in the number of pages, so that a thorough revision of the work is presaged. It is indispensable to those who desire official information regarding the pharmacy laws and registers in Ireland; while students will find useful the examination-papers which were set during the past year.

Scottish News.

Brevities.

Chisholm's Pharmacy, Cathcart Road, Glasgow, is being advertised as a "saccharin depôt," where from 1 lb. to 14 lb. may be had.

At the recent annual meeting of the Crieff Aërated Water Co., it was resolved to amalgamate the business with that of Harley & Watts, Ltd., who also have a chemists' business in the town.

Mr. J. J. Forbes, chemist and druggist, Scott Street, Perth, in the course of a stimulating address at the Perth Rotary Club on February 21 on "Science and the War," mentioned that much recent research work on novocaine—till the outbreak of war a German product—had been accomplished at St. Andrew's University. Mr. T. Harley, chemist and druggist, was among the speakers in the subsequent discussion.

Dundee.

Several chemists here have been required to furnish evidence of the amount of sugar purchased by them for manufacturing-purposes in 1916 (? 1915), in accordance with the terms of their application.

"Quite a number of customers," writes a correspondent, "ask for tea-sweeteners and say they don't want saccharin." It has not yet been ascertained what they want. There is golden syrup—there is also the golden age.

Edinburgh.

The Ordinance instituting a Degree in Commerce in the University of Edinburgh has been sanctioned by an Order in Council.

A public meeting was held in Leith Council Chamber on February 25 to discuss measures for increasing the output of sphagnum-moss dressings.

It is stated in the lay Press that the early-closing movement is to be still further extended, and that Saturday is no longer the great shopping day that it was.

On account, it is said, of the difficulty of obtaining qualified assistance, dispensing is not undertaken in the late Mr. John M. Morrison's shop in Elm Row.

Edinburgh police are notifying chemists regarding complaints of boys purchasing (and using) pot. chlor., pot. nitrat., and sulph. sublim. They also state that some person is writing and presenting bogus prescriptions for cocain. hydrochlor.

Cotton-wool is now being retailed at or near 4*s*. per lb. An old midwife, discussing the price with a chemist, showed all the philosophy of her age. "They'll just have to learn to do without it," she remarked. "It wasn't missed much in my young days!"

The Chemist's Title.

A Meeting to discuss the formation of the British Association of Chemists was held in Edinburgh on February 19, under the auspices of the Edinburgh and East of Scotland Section of the Society of Chemical Industry. Mr. J. Rutherford Hill was in the chair, and the proceedings were chiefly remarkable for a very clear statement by the Chairman regarding the legal claim of chemists and druggists to the title "chemist." He said it is assumed that an analytical, or research, or teaching, or technical, or works or wholesale manufacturing chemist has no lawful right to use the title "chemist," and could be convicted of a contravention of the Pharmacy Acts which regulate the sale of poisons. That is a complete mistake. The Pharmacy Acts do not constitute a universal prohibition of the use of the title "chemist" as, for example, the Medical Acts do in the case of the words "physician" or "surgeon," and the Dental Act does in the case of the word "dentist." The Pharmacy Acts only strike at the use of the title "chemist" by a person selling poisons by retail or keeping open shop for retailing poisons who is not registered under the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908. Outside that strictly defined limit the word "chemist" is absolutely as free as any other word in the English language, and can be used by any person whatsoever. This is clearly brought out in the cases Bremridge *v.* Humo and Bremridge *v.* Turnbull in the High Court of Justiciary in November 1895. In these cases the titles "technical chemist" and "photographic chemist" respectively were used on shop signs and catalogues in connection with open shops where poisons were sold retail to the public. Lord Salvesen (then acting as senior counsel for the Registrar, who prosecuted) said:

"Mr. Dundas, for respondent, says it is a necessary result of my argument that if Dr. Stevenson Macadam called himself an analytical chemist, he would be struck at by the provisions of the statute. That is not so. Your Lordships see the connection in which the prohibition appears in Section 15, which commences 'All persons keeping open shop, or who shall take, use, or exhibit the name or title of chemist,' and so on, not being qualified under the Act. It might be a very fair construction of the section to say that it applies only in the case of persons keeping open shop for the retail of poisons. Now, Mr. Hume and Mr. Turnbull come within that category. No one would suggest here that this would prevent Dr. Stevenson Macadam putting on his card 'Analytical Chemist.' The harm appears in putting it above a shop door where poisons coming under the Pharmacy Acts are sold in a pure state, and it is because of that combination of circumstances these prosecutions are raised. The Pharmaceutical Society would never prosecute anyone for simply calling himself 'analytical chemist.' The mere name put by a gentleman on his card—by a person who does not sell poisons at all—would not be an offence against the Statute."

This view was accepted by the Judges. Another common misunderstanding that needs to be cleared up is the suggestion that the Pharmacy Acts are intended to deal only with the practice of pharmacy and the sale of drugs and medicines. That is quite a mistake. The business of a chemist and druggist has never been limited in that way, and is very much wider in its scope. The mistake may have arisen from the fact that the Pharmacy Act, 1852, dealt only with the use of titles by persons carrying on the practice of pharmacy, and has nothing whatever to do with the sale of poisons. Hence the only titles restricted by that Act are those of "pharmaceutical chemist" and "pharmaceutist." Subsequently a call arose for legislative restrictions on the sale of poisons, and it was accepted as fundamental that the education of the vendor is the only safe foundation for a Poison Bill. Parliament found a body of trained men already the chief retail vendors of all the poisons in question, and giving a public guarantee of a competent practical knowledge of pharmaceutical and general chemistry and other branches of useful knowledge. Parliament therefore in 1868 recognised this body as the sole statutory retail vendors of all poisons, whether for medicinal, domestic, technical, or sanitary purposes. This is expressed in the full title of the Act—"An Act to Regulate the Sale of Poisons and Alter and Amend the Pharmacy Act." It is in this 1868 Act that for the first time the use of the title "chemist" by itself is prohibited in connection with the sale of poisons by any person not duly registered under the Act. Neither the word "druggist" nor the word "pharmacist" adequately describes a person entitled to carry on the business subject to the restrictions of the Pharmacy and Poisons Act. The chemist claims no exclusive right to the use of the title "chemist," and the Pharmacy Acts do not give him such an exclusive use. The Institute of Chemistry, however, seeks to establish such an exclusive use, and to secure a universal prohibition of the use of the title by any person who is not a Fellow of the Institute. The Institute will be up against a vast

number of various persons with vested interests. Certainly persons registered as chemists under the Pharmacy Acts will not quietly surrender the position gained by them after many years of strenuous endeavour, and they are not encouraged to do so by the aspersions so unjustly cast upon them by such men as Sir William Tilden—himself an old Bell Scholar and Honorary Member of the Pharmaceutical Society—of whom better things might have been expected. But outside those possessing under the Pharmacy Acts a limited statutory right to the title there are many thousands of the population who at present use the title, and have a perfect right to do so, who do not happen to be Fellows of the Institute of Chemistry. Whenever the common-law right to the use of a title is interfered with the recognition of vested interests must be provided for. If someone could devise an entirely new title it would save an enormous amount of trouble, and lead to a very speedy attainment of the object aimed at. A good discussion followed, and a Committee was appointed to consider the steps to be taken.

Legal Reports.

Cream of Tartar.—A summons at Bootle Police Court on February 25 against W. T. Warhurst, Ltd., chemists, for having sold cream of tartar alleged to contain arsenic was dismissed on payment of costs. An analysis by the borough analyst (Mr. W. H. Roberts) showed 12 parts of arsenic per million, whilst that of the Government analyst was 5 parts per million.

Sale of Cocaine.—At Brighton on February 22, Florence Smith, a chemist's assistant, was fined 10*s.* on two summonses for selling cocaine and opium to a Canadian soldier. The man by a piteous appeal to the girl induced her to let him have the drugs. It was suggested for the defence that the girl did not realise she was committing a grave offence. Her employer did not know she had sold the drugs.

Carbolic-acid Delivery.—An appeal by the Lancashire and Yorkshire Railway Co., the London and North-Western Railway Co., and R. Graesser, Ltd., Ruabon, was heard in the Appeal Court last week. The appeal was against a decision in the Rhyl County Court (*C. & D.*, September 29, 1917, p. 38). The case arose out of a "mix-up" of two consignments of chemicals sent by a Yorkshire firm, drums of crude carbolic acid being delivered to the respondent, Mr. D. MacNicoll, of Derwas, Abergele, who should have received casks of creosote. Mr. Justice Lawrence, in giving the decision of the Appeal Court, said he must hold that the respondent converted the goods to his use. The truck that came to Abergele was wrongly labelled, but it should have been impossible to mistake the large drums for the casks mentioned in the consignment note. Judgment was given for the appellants for 82*l.*, with costs, and certain allowances for cartage, etc., were made on the counter-claim.

Patent Agent Charged.—At Bow Street Police Court on February 21, before Mr. Garrett, Mr. Oliver Imray, of Abel & Imray, chartered patent agents, was charged with offences under the Trading with the Enemy Act. Mr. Travers Humphreys, who prosecuted, said that the defendant was a Past-President of the Chartered Institute of Patent Agents. He was charged with a specific offence on May 1, 1916, but the evidence would disclose a series of similar offences. It is an offence under the Trading with the Enemy Act for anyone to pay away money on behalf of an enemy, but a special licence was granted in November 1914, allowing the payment of renewal fees on patents granted to enemies in this country. On July 13 last a letter was intercepted by the Censor from the defendant's firm to a Mr. Watson in Buenos Aires, asking him to pay the renewal fees there on a patent granted to a German firm carrying on business in Germany. This led to an examination of the defendant's books, which disclosed the fact that Abel & Imray had been acting for the German firm in question in paying their renewal fees on patents in various foreign countries, the correspondence being carried on through an agent in Holland. The hearing was adjourned.

Pharmacy Acts Case.—At Wood Green County Court on February 25, the Pharmaceutical Society sued William Longthorne, drug-store keeper, 226 Lordship Lane, Wood Green, on a judgment summons in respect of 2*l.*, balance of a penalty of 5*l.* 18*s.* 4*d.* imposed upon him for an offence under the Pharmacy Acts. Mr. Quarrell, for the Society, stated that defendant offered to pay the amount in monthly instalments of 4*s.*, but the Society, knowing that he was director and manager of a company trading as Longthorne, Ltd., with two shops, one at Wood Green and one at South-end, refused the offer, and he filed another statement offering 1*l.* per month, which was accepted. He had, however, not paid. Defendant said he was manager at a salary of 2*l.* a week, and drew no director's fees. He held twenty-one shares, and the rest of the 200 were held by members of his own family, his wife having seventy-one and the balance were in the hands of two children, one of whom was under twenty-one. Questioned as to where the profits went, defendant said there were none, although he admitted paying 42*l.* and 75*l.* a year rent for the two shops. Judge Cluer said he did not think it was a genuine company. Defendant would be committed for ten days, suspended on payment in fourteen days.

A Saccharin Agreement.—In the King's Bench Division on February 26, Mr. Justice Sankey resumed the hearing of the arguments in the arbitration appeal brought by the Anglo-Continental Chemical Works, Marlborough Gate, London, W., against the Saccharin Corporation, Ltd., Arthur Street, E.C. (see *C. & D.*, February 9, p. 37). A special case had been stated by the arbitrator in his award as to whether the Anglo-Continental Chemical Works were entitled to certain shares of profits of the Corporation on the sale of saccharin under an agreement of 1909. His Lordship, in giving judgment, stated that in 1913 and 1914 the Corporation said there were no net profits, as they had entered into what were known as syndicate and war agreements with Continental manufacturers to protect their business, as certain of the patents owned by the Corporation were running out, and this involved the payment of a large share of their profits, leaving none to be divided with the plaintiffs. The Chemical Works said they were entitled to five twenty-fourths of the profits apart from those paid to the syndicates on the Continent. The arbitrator had found it was vital for the Corporation to enter into these later agreements to retain their business, and it was admitted that the defendants acted in good faith in entering into the syndicate agreement. There was nothing in the main agreement between the parties to prevent the Corporation entering into the subsequent agreements to protect their business, but the matter would have to go back to the arbitrator to take into further consideration the percentages of profits, and the Chemical Works were entitled to receive all information through their accountant that was necessary from the Corporation's accountant. He allowed the Corporation the costs of the present proceedings.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Drug and Chemical Corporation, Ltd. (P.C.).—Capital 26,250*l.* Objects: To carry on the business of manufacturing chemists and druggists, etc. Solicitors: Francis & Johnson, 19 Great Winchester Street, London, E.C.

Walbrook Pharmacies, Ltd. (P.C.). — Capital 500*l.* Objects: To adopt an agreement with S. H. Marshall, and to carry on the business of chemists, druggists, dentists, opticians, etc. R.O., 30 Walbrook, London, E.C.

Hopex Chemical Co., Ltd. (P.C.).—Capital 1,000*l.* Objects: To carry on business as manufacturing chemists, manufacturers of and dealers in chemical preparations, foods, feeding stuffs, proprietary articles, antiseptics, disinfectants, oils, essential oils, fats, waxes, drysalteries, resins, gums, paints, dyes, and fertilisers. R.O., 105 The Exchange, Southwark Street, London, S.E. 1.

Medical Supply Association, Ltd. (P.C.).—Capital 10,000*l.* Objects: To carry on business as manufacturers of and dealers in surgical instruments, medical appliances, *x*-ray and electro-medical apparatus, orthopædic, anatomical, and dental appliances, boots, stays, artificial eyes and limbs, bandages, crutches, chairs, stretchers, ambulances, chemicals, drugs, hospital requisites, etc. R.O., 167-185 Gray's Inn Road, London, W.C.

A. Millar & Co., Ltd.—The twenty-third annual general meeting was held on February 21 at the offices of the company, 10/13 Thomas Street, Dublin. Mr. Fitzadam Millar, managing director, presided. The Chairman moved the adoption of the report and statement of accounts for the year ended November 30, 1917, which resolution was passed unanimously. The payment of interim and final dividends on the preference shares at the rate of 5 per cent. per annum (less income-tax), and also interim dividends on the ordinary shares at the rate of 6 per cent. per annum (less income-tax), was confirmed. A final dividend (less income-tax) on the ordinary shares, making, with the interim dividends already paid, 13 per cent. per annum, was authorised.

Marriages.

Adamson—Grandy.—At St. John's Wesleyan Church, Colwyn Bay, on February 21, by the Rev. F. J. Briggs, Joseph William Adamson, chemist and druggist, Queen's Buildings, Station Road, to Bertha Grandy, Llewelyn Road.

Ashmore—Hoskins.—At the Methodist Church, Wicklow, on February 6, by the Rev. J. D. Park, D.D., assisted by the Rev. P. B. Johnson, M.A., and the Rev. J. O. Price, M.A., W. Hopkins Ashmore, Ph.C., The International Pharmacy, 21 Dawson Street, Dublin, and Clonogan House, co. Carlow, to Gladys Dorothy, only child of Mr. W. J. Hoskins, Wentworth Place, Wicklow.

Dunnet—Jenkins.—At the Tabernacle C.M. Church, Portmadoc, on February 21, by the Rev. W. T. Ellis, B.A., B.D., Captain M. Dunnet, A.S.C., to Helena, daughter of the late Mr. Thomas Jenkins, chemist and druggist, High Street, Portmadoc.

Foster—Mawson.—At the Parish Church, Workington, on February 12, Vernon C. L. Foster, chemist and druggist, 7 Infield Park, Barrow-in-Furness, to Winifred, only daughter of Mr. E. Mawson, Workington.

Deaths.

Barton.—At 42 East Street, Bromley (Kent), on February 14, Mr. William Henry Barton, chemist and druggist, aged seventy-two. Mr. Barton was in business before August 1, 1868. After serving his apprenticeship at Deal and gaining further experience, he opened a business in Kentish Town, London, N.W., and shortly afterwards moved to Gipsy Hill, where he remained for nineteen years. For the last thirty years he had been in business at Bromley.

Bemrose.—At High Street, Dawley, on February 10, Mr. Weightman Bemrose, chemist and druggist, aged seventy-two.

Hudson.—At Earleton, Paignton, on February 12, Mr. Walter Jowett Hudson, chemist and druggist, aged seventy.

Simpson.—At 6 Howburn Place, Aberdeen, on February 24, Mr. Gilbert Simpson, Ph.C., director of the pharmacy department of Robert Gordon's College, aged forty-two. Mr. Simpson was a native of Selkirk, where he received his first training in pharmacy. After studying in Edinburgh under Mr. William Duncan, Ph.C., he passed the Minor examination in 1897, and the Major in the following year. His appointment to Robert Gordon's College was made while he was a Major candidate, and in all his subsequent undertakings he received the cordial support of the Governors of that institution. He was recognised by the chemists of Scotland as an able and accomplished teacher, whose bright, genial manner made him exceedingly popular with his students; and last October he was presented with a testimonial by the Aberdeen Pharmaceutical Association. He leaves a widow. In The Chemist and Druggist of August 13, 1910, a considered opinion was contributed by Mr. Simpson to a discussion on a proposed pharmacy curriculum. After suggesting additional subjects for the Qualifying examination, he added: "This is certainly raising the standard of the examination, but I do not consider it is too high for the demands made on the chemist and druggist by medical men and the enlightened general public."

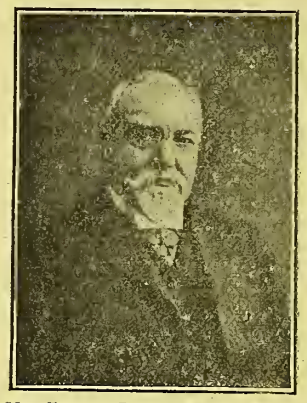
Mr. Gilbert Simpson.

Slater.—On February 21, suddenly, Mr. William Martin Slater, Ph.C., Market Place, Hadleigh, Suffolk. Mr. Slater was prominently identified with the public affairs of his town, and was highly esteemed. He leaves a widow, two sons, both of whom are in the Army, and a daughter.

Usher.—At Kirkgate, Silsden, on February 19, Mr. Robert Usher, chemist and druggist, aged seventy-five. Mr. Usher carried on business prior to the Act of 1868; till 1880 he was at Ilkley, and later took a pharmacy at Silsden, where he remained in active work till very recently. He is survived by a widow and two sons.

Wimpory.—At his residence, 162 Upper Clapton Road, London, E., on February 12, Mr. Edward Wimpory, of E. Wimpory & Co., druggists' sundriesmen, 131 and 132 Bunhill Row, E.C., aged sixty-nine.

Tyrer.—At 14 Sandwell Mansions, Hampstead, London, N.W., on February 21, Mr. Thomas Tyrer, F.C.S., F.I.C., managing director of Thomas Tyrer & Co., Ltd., Stirling Chemical Works, Stratford, and Hon. Treasurer of the Society of Chemical Industry, aged seventy-six. We briefly recorded the death of Mr. Tyrer in our last issue, and we now learn that he passed away very suddenly, as he was in the City up to six o'clock on the evening of his death, his last call being at the offices of the Society of Chemical Industry in Finsbury Square. It will be remembered that Mr. Tyrer underwent two operations for cataract last year, and, although they were apparently successful, his health from this period onwards began to decline. In the space at our disposal we can only briefly outline what Mr. Tyrer has accomplished in the chemical world, with which he had been closely identified for over fifty-five years. He was born at Wolverhampton, and was educated in his father's school, where he became imbued with the love of chemistry, and after spending two years in a local chemical-factory, he, in 1861, came to London to study under Professor Hofmann at the Royal College of Chemistry, among his fellow-students being David Howard, Carter Bell, Groves, Herschell, Roberts-Austen, and others. His course of studies at the College, which included biology under Huxley and physics under Tyndall, was short, as in 1862 he was engaged as works chemist by the late John May and the late W. G. Baker, of Battersea, and from that time onwards his life was devoted to the manufacture of pharmaceutical and technical chemicals. Subsequently he became a partner with May & Baker, retiring in 1890, when he purchased the business of Dunn & Co., manufacturing chemists, Abbey Lane, Stratford, which he carried on under the style of Thomas Tyrer & Co., and in 1898 the business was converted into a limited company. There is no better reference to Mr. Tyrer's work than the past issues of this journal, as he has figured prominently in every important event which has for its object the furtherance of some commercial advantage for the chemical-trade as a whole. It is common knowledge how he has been identified since their inception with the Institute of Chemistry and the Society of Chemical Industry, serving the latter as Secretary of the London Section for many years, later as President of the Society, and in one capacity or another during the whole of its existence. As Chairman of the Chemical Trade Section of the London Chamber of Commerce he, together with the late David Howard and Charles Umney, initiated and directed the movement begun in 1886, so beneficial to the export drug-trade of this country and her Colonies, which resulted in the granting in 1899 of drawback on exportation of alcoholic preparations. From that arose the agitation for the use of untaxed alcohol in manufactures—a movement which also has been crowned with success. His work has been thought so well of that his friends marked the end of the first decade in 1891 of the secretaryship of the Society of Chemical Industry by a valuable presentation, and fourteen years later a similar honour was again conferred upon him as a recognition of his efforts in obtaining untaxed alcohol for industrial purposes. Although Mr. Tyrer was not by training a pharmacist, yet he had an intimate pharmaceutical knowledge, and when engaging assistance always preferred men who had a training in pharmacy. It was therefore not surprising that in 1907 the British Pharmaceutical Conference decided to break away from established custom and paid him the highest possible compliment by electing him President. His presidential address, delivered in Manchester that year, was chiefly devoted to research. He held strong views on technical training for chemists, and during the earlier part of his career he gave a number of lectures to students, in which he incorporated much sound advice. He was an enthusiastic war worker. In 1913 he had already started on a large scale the manufacture of cellon aeroplane "dope," and later he erected a model and one of the best-equipped factories in this country for this purpose, thus rendering considerable help to supply this important war material. At the beginning of the war he was elected a member of the Committees appointed by the Board of Trade,



Mr. Thomas Tyrer, F.C.S., F.I.C.

the Society of Chemical Industry, and the London Chamber of Commerce to consider and advise as to the best means for obtaining supplies of chemical products. Mr. Tyrer took the greatest interest in the subject of national education and all that promoted the moral and material advancement of the community, and was devoted to literature and music. In private life he was one of the most liberal, unselfish, amiable, and kindest of men, whose only ambition was to do good to others. His name will remain deeply engraved in many a chemist's heart who derived help and support from him. He was a most devoted husband, Mrs. Tyrer, who died a few years ago after almost fifty years of married life, having aided him nobly through his career. He leaves one son, Lieutenant C. T. Tyrer, R.N.V.R., and a daughter, Mrs. Thomas. The universal respect in which Mr. Tyrer was held was well exemplified by the attendance of a large and representative gathering at the funeral on February 25. The body was cremated at the Golders Green Crematorium, the Rev. Ralph Williams conducting the service. Among those present were Dr. Charles A. Keane (Chairman of the London Section of the Society of Chemical Industry), Captain G. Mount (representing the Association of British Chemical Manufacturers), Mr. E. White (President of the Pharmaceutical Society of Great Britain), Mr. F. Napier Sutton (of the Council of the Institute of Chemistry), Dr. Grant Hooper (Government Laboratory), Dr. J. P. Longstaff (Secretary of the Society of Chemical Industry), Dr. E. H. Tripp, and Messrs. Walter F. Reid, T. D. Morson (T. Morson & Son, Ltd.), R. Blenkinsop (May & Baker, Ltd.), Julian L. Baker, Albert L. Mond, H. Hemingway, C. G. Cresswell, A. Proctor Atkinson (Armour & Co., Ltd.), Donald Watson, W. J. Leonard, Fred. J. Lloyd, D. Lloyd Howard (Howards & Sons, Ltd.), F. W. Ransom (Past-President of the British Pharmaceutical Conference), Thos. H. Hayne, A. J. A. Wallace Barr, Hugo Lorenz, Chas. Lye, J. F. Forster (Fuerst Bros., Ltd.), Fredk. Gosling, H. S. Hammond, Paul Thomas White (Alfred White & Sons, Ltd.), W. G. Smith (R. W. Greeff & Co.), P. Felix Berk (F. W. Berk & Co., Ltd.), Alban Atkin, Sidney Morgan (C. R. Harker, Stagg & Morgan, Ltd.), and Alex. Pickering.

Yewdall.—At 72 Headingley Mount, Leeds, on February 22, Hannah, widow of the late Mr. Edwin Yewdall, Ph.C., aged sixty-eight.

Died on Service.

Anderton.—Private J. W. Anderton, West Yorkshire Regiment, was killed on service on May 3, 1917. Prior to joining up Private Anderton was in the laboratory of Taylor's Drug Co., Ltd., Burley Hill, Leeds.

Burke.—Private Harry Burke, Manchester Regiment, has been killed in the trenches by a shell. Till enlistment Private Burke was with J. J. Thompson & Co., Ltd., drug-merchants, Stamford Street, Ashton-under-Lyne.

Denham.—Private N. F. Denham, Durham Light Infantry, has been accidentally killed on service in France. Private Denham was in civil life an assistant with Mr. Whitworth Rimmington, chemist and druggist, Shipley.

Henderson.—Second-Lieutenant T. Henderson, Royal Irish Rifles, was killed in action on August 6, 1917. Second-Lieutenant Henderson, who was a brother of Mr. David Henderson, Ph.C., Lisburn Road, Belfast, joined the Forces in 1915.

Wills.

Mr. William Henry Higgins, retired dispenser, 20 St. Martins in the Fields, Chester, who died on December 28, left estate valued at 3,395*l.* 18*s.* 4*d.* gross, with net personalty 3,017*l.* 17*s.* 1*d.*

Mr. Thomas Wood Robinson, chemist and druggist, 233 Anlaby Road, Kingston-on-Hull, who died on January 6, left estate valued at 4,437*l.* 12*s.* 7*d.* gross, with net personalty 2,828*l.* 4*s.* 11*d.*

Mr. Frederick Alexander French, chemist and druggist, 15 North Terrace, Seaham Harbour, who died on January 12, left estate valued at 1,110*l.* 15*s.* 8*d.* gross with net personalty 891*l.* 10*s.* 10*d.*

Mr. William Ralph Dodd, Ph.C., of Burton Grange, Cheshunt, who died on December 4, left estate of the value of 72,480*l.* 1*s.* 4*d.*, the net personalty being 61,776*l.* 16*s.* 10*d.* The will is proved by Mrs. S. R. Dodd, the widow, Mr. John Netherway, and Mr. A. J. Attfield, son-in-law. The testator gives 500*l.* and the personal and household effects to his wife; 250*l.* each to the executors, and the residue of the property in trust for his wife during widowhood, and then for his children.

Personalities.

Mr. J. P. Brocklebank, Darlington, has joined the travelling staff of Cuxson, Gerrard & Co., Ltd., Oldbury, for their North of England ground.

Among recent contributors to the Blackburn Chamber of Trade Charity Fund are Booth & Openshaw, Ltd., chemists (5*l.* 5*s.*), and Critchley & Co., chemists (5*l.* 5*s.*).

Mr. Joseph de Carle Smith, pharmacist and wholesale druggist (Smith & Sons, Magdelen Street, Norwich), has been elected a member of council of the Norwich Chamber of Commerce.

Alderman Henry Dunn, Ph.C., Shipley, recently sustained a fall at Leeds, and will, it is expected, be confined to his house for a few weeks. Mr. Dunn, who has retired from business, is Chairman of the West Riding Standing Joint Committee.

Mr. W. S. Glyn-Jones, M.P., Parliamentary Secretary of the Pharmaceutical Society, has been visiting the military hospitals in France in connection with the inquiry which is being carried on by the War Office Committee on the employment of pharmacists in the Army.

Part I. of the Proceedings for 1918 of the Institute of Chemistry of Great Britain and Ireland contains a photographic reproduction of the oil-painting, by Mr. Solomon J. Solomon, of Professor Raphael Meldola, and an account of the proceedings when the portrait was unveiled at the Institute.

Allen & Hanburys, Ltd., have appointed Mr. Gerald L. Nye to take charge of their buying department. Mr. Nye served his apprenticeship with Mr. John R. Wood, Sleaford, and after qualifying was an assistant with Anderson & Virgo, Worcester, and then for nearly twenty years at the Dartford Works of Burroughs Wellcome & Co.

The Rev. Lionel A. McC. Newbery, M.A., late Vicar of Holy Trinity, Redhill, was on February 23 inducted into the living of Christ Church, Winchester. He is a son of the late Mr. Lionel Newbery, and was for a short period in the firm of Francis Newbery & Sons. Afterwards he proceeded to Cambridge, and later to Calcutta, where he married. His eldest son is training for the Army at Wellington College, India.

Dr. Frederick B. Power who, on his return to the United States, left behind him pleasant memories, has recently been elected to the Presidency of the Washington Chemical Society and Vice-President of the Washington Academy of Sciences. Dr. Power is engaged in the Bureau of Chemistry of the Department of Agriculture, and in addition has for some time served on the Chemistry Committee of the National Research Council.

Mr. James Murray, chemist and druggist, who has been elected President of the Cardiff Pharmacists' Association, is a Scotsman, having been born at Auchengray Farm, New Abbey, Kirkcudbrightshire. He was educated at Kirkpatrick Durham School, and served his apprenticeship with Mr. William Allan, Ph.C., High Street, Dumfries. On completion of his apprenticeship Mr. Murray became assistant with the late Mr. John Evans, Templemead, Bristol, and afterwards with Mr. R. M. Lindsay, Dundee, Frazer & Green, Buchanan Street, Glasgow, Messrs. Pottage, Princes Street, Edinburgh, and Mr. Middler, Gorgie Road, Edinburgh. He passed the Minor in 1905 from Mr. Duncan's School of Pharmacy, Edinburgh, and then, after spending some time at Cowes, Isle of Wight, took up his present position as manager for Mr. A. Hagon, Cardiff.

Mr. Jas. Murray.

E. Gameson, Ltd., chemists, Station Pharmacy, Blackpool, recently devoted a window to War Savings Certificates with a model "Tank" as centrepiece.

Acriflavine is as regards both its antiseptic and toxic properties more potent than proflavine. It has a very marked bactericidal inhibiting action on streptococci, and a less marked action on staphylococci. On some other organisms its effect is practically insignificant. Its action is therefore strikingly selective.—*Dr. W. Parry Morgan in "The Lancet."*

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Paper Restrictions.

Sir A. Stanley on February 20 stated in the House of Commons that the Paper Commission is considering the desirability of authorising the printing of new matter on the backs of old posters.

Army Drugs.

Mr. Macpherson, Under-Secretary of State for War, in his statement on February 20 on Army Estimates, said that 67,000,000 bandages, 2,000,000 oz. of quinine, 1,500,000 doses of tetanus antitoxin, and 4,700,000 lb. of cotton-wool were among the War Office purchases.

The Use of Saccharin.

Our Parliamentary correspondent states that the Government is being asked to make public the considered opinion of its advisers in the Department of Public Health as to the harmless or harmful character of saccharin, saxin, and like preparations in view of their increasing use.

Trade-marks Bill.

The Trade-marks Committee of the Federation of British Industries inform us that the Federation has decided to oppose Part II. of the proposed new Government Bill "to Amend the Trade-marks Act, 1905," on the ground that it will inflict serious injury on the owners of perfectly legitimate trade-marks.

Income-tax Bill.

This Bill to consolidate the statute law relating to duties of income-tax was this week introduced into the House of Lords by the Lord Chancellor. It consolidates the law contained in fifty-six statutes dating from 1842 to August 3, 1917. The Bill contains 236 clauses and six schedules, and is one of the longest Bills presented to Parliament. The Bill, with an explanatory memorandum, occupies 257 pages, and costs 2*s.* 6*d.*

Glycerin.

In the course of his statement on the Army Estimates on February 20, Mr. Macpherson said: We recovered from by-products alone crude glycerin at the approximate annual rate of 1,800 tons. This glycerin is sold to the Ministry of Munitions at 59*l.* 10*s.* per ton, as against the current market quotation of 300*l.* per ton for imported glycerin—[It would be interesting to know how much glycerin is imported at this price.—Ed.]—and the 1,800 tons of crude glycerin provide the nitro-glycerin necessary for the propellent charges of 18,000,000 shells.

Linseed Oil.

Sir G. Touche on February 20 asked the Parliamentary Secretary to the Ministry of Food if, when the soap-makers' stocks of oil and fat which were capable of being converted for edible purposes were commandeered for the production of margarine, soap-makers were given to understand that they were to be allowed prior claim on the stocks of linseed oil; and whether this understanding has been observed.

Mr. Clynes, in reply, said certain quantities of linseed oil are being allotted to soap-makers in place of the oils and fats commandeered from them for edible purposes, but no understanding such as that referred to in the question was ever entertained or arrived at with the soap-makers. Mr. Clynes, in answer to another question put by Sir G. Touche, said that the output of margarine will not interfere with glycerin requirements.

Alien Enemies' Businesses.

Mr. Wardle, on behalf of the Board of Trade, stated in the House of Commons on February 15 that the Board have been supplied with lists of enemy subjects who had been engaged in business and who had been either interned or exempted from internment. The number of the interned list was 423, while the number on the exempted list was 295. In regard to the former, thirty-two orders to wind-up the business have been made, and in regard to the latter nineteen such orders have been made. He pointed out that upon investigation of the cases set out in the lists it was found that the winding-up provisions of the Act were not in a great many instances applicable, on the following grounds: (1) The business was no longer being carried on; (2) the business was of trifling importance and, therefore, not within the policy of the Act; (3) the enemy subject was in partnership and having a minority interest with a British or non-enemy subject; (4) the enemy subject was a friendly alien; (5) the enemy subject was merely an employé in the business.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," February 6, 1918.)

"Enomorphon Brand Morphine Derivative"; for a morphine medicine (3). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle. 377,260.

"A-Aye Brand" over device of letter "A" ("A-Aye Brand" disclaimed); for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 1. 380,181.

"Kalsetal Brand Calcium Acetyl-Salicylate"; for calcium acetylosalicylate (3). By A. Bishop, Ltd., 48 Spelman Street, E. 1. 380,142.

Picture of elephant; for an ointment for rheumatism, etc. (3). By H. Clark, 7 Ellgreave Street, Burslem. 380,803.

Picture of three sailors; for medicinal salts (3). By J. McInroy, 64 Brunswick Road, Liverpool. 381,088.

"Magpie" under picture of same; for glycerin (4). By C. Thomas & Bros., Ltd., Bristol. 380,966.

"Poudrelique," for powder insufflators (11); "Vaposeptelique," for atomisers (11). By C. J. Hewlett & Son, Ltd., 35 Charlotte Street, E.C. 2. 379,834, 379,851. (Associated.)

"Elarco" under device of girl's head ("Elarco" and "L. R. Co." disclaimed); for surgical rubber goods (11). By The London Rubber Co., 46 Lower Clapton Road, E. 5. 380,128.

"Midinette"; for surgical rubber gloves, finger stalls, etc. (11). By H. Gordon, 8a City Road, E.C. 1. 380,946.

"Norvic Crepe Bandages" over device of two angels supporting cross over building, and scroll with words "Norwich Crape Company 1856 Limited" ("Norvic" disclaimed); for bandages made in Norwich (11). By Norwich Crape Co., 1856, Ltd., Botolph Street, Norwich. 380,532. (Associated.)

"Volia"; for dried milk (42). By Bacchus Marsh Concentrated Milk Co., Ltd., 43 Tooley Street, S.E. 1. 379,243.

"Shifto"; for goods (47) and for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight. 380,992/3.

"Myforce" on label device; for hair-restorers (48). By J. W. Mylchreest, Rosegarth, Collington Rise, Bexhill-on-Sea. 379,814.

"Boralcum" on label device; for all goods (48). By Boralcum, Ltd., 58 Hanover Street, Liverpool. 380,569. (Associated.)

"Futuria"; for perfumery, etc. (48). By Breidenbach & Co., 48 Greek Street, London, W. 1. 380,942.

"Chanson Triste"; for perfumery, etc. (48). By The Erasmic Co., Ltd., Bank Quay, Warrington. 381,140.

"Goog"; for toilet and hair preparations (48). By J. Skillender, 1a Donegall Road, Belfast. 381,170.

"Chanson Joyeuse"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 15. 381,250.

(From "The Trade-marks Journal," February 13, 1918.)

"Chlorophenine" and "Oxyphenine"; for coal-tar colours (1). By The Clayton Aniline Co., Ltd., Chatham Street, Clayton, Manchester. 378,928/9.

"Monophen"; for photographic developers (1). By White Band Manufacturing Co., Ltd., 121 Selsdon Road, South Croydon. 380,787. (Associated.)

"Flangite" ("Flange" disclaimed), "Vedette"; for chemicals (1). By R. Bowran & Co., Ltd., 4 St. Nicholas Buildings, Newcastle-upon-Tyne. 380,921. (Associated.)

"Salova"; for all goods (2). By Gourmet & Co., 2 & 4 Mount Pleasant, W.C. 1. 381,308.

"Folan Brand Medicine," "Haemofolin Brand Medicine," "Sanaphytin Brand Phosphorous Preparation," "Septacrol Brand Medicine," "Diasorcym Brand Metal Albumin Combination," "Therasorcym Brand Metal Albumin Combination," "Dialacetin Brand Diallylbarbituric Acid Combination," "Percain Brand Local Anæsthetic"; for all goods (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 377,849/850; 378,761/762/837/838; 379,525/675.

"Herbuline Brand Liniment for Human Use"; for a liniment (3). By B. B. and T. B. Alexander, 1a Abercromby Place, Edinburgh. 378,644.

"Broneel Brand Cough Mixture"; for medicinal chemicals (3). By D. K. Morgan, 25 King Street, Carmarthen. 379,924.

"Trianon"; for perfumery, etc. (48). By National Chemical Works, Ltd., 2 Stanley Road, Acton, W. 3. 380,158.

"Paladin"; for perfumery, etc. (48). By J. H. Ironmonger, Ltd., 20 Eastcheap, E.C. 3. 380,449. (Associated.)

"Haysel"; for perfumes (48). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 380,537.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

13/70. "Kinectine" tablets.
14/26. "Prunagar."
13/66. "Clover Meal" for poultry.
14/44. Vin Maleeense.
15/56. "Majestic" nail-polish.
15/66. "Nilter" disinfectant.
14/16. Suppliers of Salicylous Acid (Salicyl Aldehyde).
12/15. Compressed paper bungs.
16/45. "Zootrophe."

Observations and Reflections.

By Xrayser II.

Miss Buchanan's List

of subjects on which we need instruction as part of our business training is excellent, but her faith in lectures is greater than mine. The principles of business might be taught in lectures, interest in the subject might be aroused, and valuable hints given on points not generally obvious, but the application of principles can only be made by experiment, and though a lecturer on chemistry may illustrate his teaching in this way, a lecturer on most of Miss Buchanan's subjects could not. Demonstration is what is needed, and I do not see how this is possible in lectures alone. What is needed is a school of business training in which precept goes hand in hand with practice, and this every pharmacy ought to be, but unfortunately is not. Miss Buchanan's scheme is a step in the right direction; could such courses of lectures as she suggests be affiliated to an institution, not necessarily connected with pharmacy in any special manner, in which the principles inculcated could be seen and followed in action, the education of a tradesman might be made complete.

The Second Instalment of your Article on Reform

again brings us up against the Charter, and also against the Act of 1898. You say that at least half (I should say the whole) of the Council should be elected each year. The Charter says fourteen members, but the Act referred to changed the number to seven, and thus made our Council less democratic than it was at first. The least we should accept is a return to the Charter. With the rest of your suggestions I am in hearty agreement, but I could wish you had written a little more strongly with regard to the worst anomaly of all, the Local Associations Executive, the constitution of which is radically vicious. With one foot on sea and one on shore it is constant to nothing, but always in a state of unstable equilibrium; and it is even less representative of those for whom it acts than the Council itself, whose creature it is.

The Numerical Increase of the Society

during 1917, on which I commented last week, is not so satisfactory as the President considers it, if what I have since heard is true. I am told that Boots, Ltd., started last year to pay the subscriptions of a large number of their qualified assistants, and that this accounts for the jump in the figures. A very different complexion is thus put upon the matter; if the number of men thus brought in is anything like 500, it reduces the increase for the year, apart from them, to about that of the previous year. An important point to consider is what is the object the company have in view. We can hardly suppose they are giving away 500 guineas a year *pour les beaux yeux* of their assistants: do they propose to use all this voting-power in their own interest? Probably not, but the company would be able, if they wished to, to out-vote a county. Here we have "plural voting" with a vengeance!

Mr. Bernard Shaw

is still on the war-path against the doctors. In the February number of the "English Review" he asks what is to be done with doctors. Nothing, evidently, will satisfy him but a State medical service for everybody, in place of the present (as he thinks) inevitably inefficient system of private practice. But something may be done short of this for the reform of the profession. The main charge he brings against it is that it is a close corporation for the benefit primarily not of the public but of its own members. The British Medical Association he regards as the most powerful and pernicious of trade unions, and the General Medical Council as being virtually its Committee. To trade unions as such Mr. Shaw has, of course, no objection, but this particular union is armed by statute with powers such as none other possesses; it has the power not only of professional life or death over the members of the profession, but that of an absolute veto against all outsiders, however well qualified; and we saw in the case of the National Insurance Act what baneful power it has over Government itself.

The Doors of No Trade or Profession,

says Mr. Shaw, must be guarded, either for entrance or exit, by the members inside. "On the principle of setting a doctor to catch a doctor the medical profession may be allowed to indict a practitioner, but not to lynch him." He would have the profession thrown open to osteopaths, Kellner masseurs, etc., on the lines of the Dentists Act of 1878, each class with its own distinctive degree; and would not only have such practitioners represented on the G.M.C., as doctors are, but would greatly increase the purely lay element on that body. The article is marked by Mr. Shaw's usual exaggeration, but is a powerful indictment in spite of this fact; what further answer to his question is forthcoming we must wait and see.

The Cult of Shells,

especially in olden times, is the subject of an interesting article in the "New Statesman" for February 16. The writer, however, Prof. J. Arthur Thomson, says nothing, except for a passing allusion to pearls, of the use of shells in medicine, and even with regard to pearls he is misleading, for they were not burnt, but simply powdered or dissolved. Their virtues were almost endless, but they were superseded by mother-of-pearl, and eventually by plain oyster-shells, which doubtless answered equally well. Among other sea shells that were once official with us were those of the whelk, the cockle, and a fish known as *Blatta Byzantia*. Another sea shell, known as *Concha Veneris*, not official with us, had a reputation as an aphrodisiac and diuretic, and is said to be still esteemed in Japan as a remedy in fevers and gonorrhœa, as also, externally, for some diseases of the eye. Even eggshells had a use in medicine, and figured in our Pharmacopœia; they were supposed to be aperient and good for the stone.

Trade Notes.

Pears' Unscented Transparent Soap is now 6*d.* per tablet—face-value.

Wright's Coal-tar Soap.—The retail price of this soap was on February 23 increased to 6*d.* per tablet.

War-savings Agencies.—Attention is again directed to the advertisement of the National War Savings Committee regarding agencies for the sale of War Savings Certificates.

Rubwel Ointment.—Orders for Rubwel ointment can now be delivered at once. The Rubwel Co., Ltd., make the announcement in this issue, as a slight delay occurred recently.

"Allenbury's" Milk-cocoa.—The price of "Allenbury's" milk-cocoa has been revised again; the minimum retail prices are the face-values, and the profit to the retailer on the return is 20 per cent.

S. & M. Milk Preparations.—Savory & Moore, Ltd., 143 New Bond Street, London, W. 1, announce that they have increased the prices of peptonised milk, peptonised cocoa and milk, and peptonised coffee and milk (café zylak). The retail prices are 1*s.* 9*d.* and 3*s.* per tin, and are face-value.

Eucalyptus Oil.—Burnside & Co., eucalyptus-oil distillers, 439 Flinders Lane, Melbourne, Victoria, advise us that, notwithstanding the scarcity of freight, they are still able to get supplies shipped to this country, although the intervals between the shipments are sometimes considerable.

Zepto Prices.—Thos. Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, have, owing to the cost of production, been obliged to increase the price of the Zepto antiseptic tartar-remover. The retail protected price (P.A.T.A.) has been fixed at 9*d.*, which is the face-value and advertised price. Chemists should note the alteration, as it takes place forthwith.

Highly Trained Scientific Chemists are required for continual research for new products, but these are not necessarily the right men to carry on and control large industries. The success of the German colour-industry was to be found in the economic condition of the country more than in the skill of the chemists.—*Mr. C. J. Whittaker.*

BRONCHITIS, ASTHMA, COUGHS, INFLUENZA, &c.

"SANITAS-INHALANT"

Is now being advertised, and should be stocked by all Chemists.

2s. 6d. BOTTLES.

Most Effective Remedy for all Lung and Throat Affections.

The SANITAS CO., Ltd., Limehouse, LONDON, E. 14.

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IMPORTANT ANNOUNCEMENT

WE beg to advise the trade that from SATURDAY, FEBRUARY 23, 1918, the RETAIL PRICE of WRIGHT'S COALTARSOAP is 6d. PER TABLET

WRIGHT, LAYMAN & UMNEY, Ltd. SOUTHWARK LONDON, S.E.

Index Folio 170

Fletchers' Concentrated Liquors,

offer a perfect alternative to the discarded B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

The Physiological Action of Alcohol.

The latest thing in Blue-books is a distinct departure from precedent. Strictly speaking, it is not a "blue book" at all, but a handy little pocket volume of 133 pages bound in dark-green boards. It is issued by the Stationery Office at half-a-crown net, and is a Report on the action of alcohol on the human organism by the Advisory Committee appointed by the Central Control Board (Liquor Traffic.) The Chairman, Lord D'Abernon, in a restrained preface describes the trend of the investigations of the Committee and sums up the principal conclusions as follows :

(*a*) That the main action of alcohol (apart from the effects of its continued excessive use) is confined to the nervous system;

(*b*) That alcohol is narcotic rather than stimulant in action;

(*c*) That its nutritional value is strictly limited;

(*d*) That its habitual use as an aid to work is physiologically unsound; and

(*e*) That the ordinary uso of alcohol should not only be moderate, but should also be limited to the consumption of beverages of adequate dilution, taken at sufficient intervals of time to prevent a persistent deleterious action on the tissues.

When it is borne in mind that the members of the Committee included, amongst others, Professor Cushny (the celebrated Pharmacologist of University College), Dr. H. H. Dale (Head of the Department of Bio-Chemistry and Pharmacology under the N.H.I. Medical Research Committee), Dr. F. W. Mott (Pathologist to the London County Asylums), and Professor Sherrington (Waynflete Professor of Physiology at Oxford University), it will be seen that the investigations were thorough and the conclusions important. Commencing on strictly scientific lines, three classes of effects produced by alcohol on the human body and three aspects of its action were considered. These were alcohol "as a food," "as a drug," and "as a poison." Then "alcohol," "food," "drug," and "poison" were successively defined, it being pointed out that when the word alcohol is used by itself without qualification the substance referred to is "ethylic alcohol." A food was described as "something which we eat or drink, which is useful for the normal life of the body and of its constituent parts." Coming to the word "drug," the Committee states that in popular phraseology this often means a substance of a deleterious nature. but for the purpose of the investigation it simply meant a substance which temporarily modifies the activity of the bodily organs (including, of course, the brain and nervous system) otherwise than by increasing the supply of available energy. Nitrous-oxide gas was given as an example of pure drug-action; ether is not so good an example because to a very small extent ether enters into metabolism while nitrous oxide does not. The food-value of alcohol consists in the fact that it can, within limits, replace an equivalent amount of fats in a diet. But it is seldom taken primarily as a food; it is its drug properties and agreeable taste that make alcohol-drinking popular. Following on, the Report defines poison action. Practically every drug used in excessive quantities, or under exceptional conditions, becomes a poison—that is to say, it so greatly interferes with the normal working of the bodily functions that it endangers life. A single large dose produces "acute poisoning"; on the other hand, many drugs taken habitually over a long period lead to "chronic poisoning." After discussing the "food" question in all its bearings—absorption, secretion, the

body-use of alcohol, products of alcohol combustion, the respiratory quotient, alcohol oxidation, and alcohol as a fuel-food—the Committee concluded that the question of its food-value cannot be allowed much weight in the practical decision of the individual as to whether he should or should not take alcohol. The mental pathology of alcohol and its effect on the performance of muscular acts are discussed in successive chapters, and the cherished notion that a "toothful" aids digestion is given the following cold douche:

"Moderate doses have never been shown to affect appreciably the digestive organs apart from their taste and their tendency to increase the secretion of fluid and mucus from the walls of the stomach."

The action of alcohol on the respiration and on the circulation of the blood and its influence on body temperature are exhaustively treated, till we come finally to its poison action. The drinker really begins to suffer from acute poisoning "as soon as he shows such immediate effects of the drug as interfere with his normal capacity for taking care of himself." The symptoms of drunkenness are due essentially to the action of alcohol on the brain and the rest of the nervous system. A lethal dose of alcohol for a man weighing 10 stone would be about 14 oz. of absolute alcohol or nearly a pint and a half of proof spirit. With regard to "mixing drinks," the Committee were unable to determine whether there is any foundation for the popular belief that mixing is more likely to cause drunkenness than straight drinking. Another point on which more exact knowledge is required is with regard to the inebriating effect of the impurities met with in some of the alcoholic beverages, particularly in badly rectified spirits. In examining the factors which contribute to the development of chronic intoxication, the habit-forming influence of alcohol is dealt with. This was compared to the analogous habit of drug-taking—morphine being cited as an example. The conclusions reached were that the continued use of alcohol produces tolerance, though never to the extent reached in the morphine-habit. And although complete and sudden withdrawal may give rise to a "craving," this feeling is very much weaker than that of the habitual users of other drugs. Alcohol thus differs from such habit-forming drugs as opium and morphine in the fact that sudden withdrawal causes less severe symptoms and that no high degree of tolerance is acquired by its prolonged use. This will probably soothe any qualms that rigid abstainers may have on the subject of assimilating medicine in the form of alcoholic tinctures or medicated wines. On the other hand, the Committee states that when alcohol appears to promote recovery from fainting, it is probably only by its irritant action on the mucous membrane, and its use in such circumstances is therefore comparable with that of smelling-salts or the fumes of burnt feathers. Its beneficial effect in more protracted weakness of the heart must be attributed mainly to its mildly narcotic and sedative action. The Report will commend itself to all impartial observers with any knowledge of the subject. Virtually it comes to this: that alcohol may sometimes prove to be a good servant, but it is always a bad master.

Reconstruction Problems.

IX. Reforming the Society (*concluded*).

It appears that we have not been very successful in our attempts to indicate reforms which to bring them about do not require legislative action. Our contributor "Xrayser II." mentions the matter of the Council election by which only a third retire annually in place of two-thirds as required by the Charter. The change was made by the Pharmacy Act, 1898, when chemists and druggists were admitted to membership and became eligible for seats on the Council. It was to prevent any overwhelming outbreak of reform on the part of the chemists and druggists that this check on their zeal was devised. Time has shown that the chemist and druggist is not the reactionary person that it was feared he would be when the Pharmacy Act, 1898, was passed. The incident is interesting to chemists as showing how the Society regarded them twenty years ago, and how carefully provision was made to counter quick reform movements. This traditional view still lingers at headquarters, and for the present it rather emphasises the need for continued effort in any progressive movement. We have to acknowledge also the truth of the observation that we did not devote much space to the future of the Local Associations Executive. The reason for this was that we understand a Committee of the Pharmaceutical Council is sitting whose terms of reference involve the preparation of a scheme for reforming the Local Associations Executive, and we expect that before long a plan will be before the country, and, as "Xrayser II." will be the first to acknowledge, it is easier to criticise a scheme than to construct one. The Thames Valley meeting, to which we referred last week, appears to have taken rather a strong view about the Local Associations Executive. Mr. Clement, in his paper, stated:

"It would appear desirable to federate Local Associations and Pharmaceutical Committees separately and to appoint representatives from each federation on the Local Associations Executive in the immediate future, leaving it for some later date to effect a more radical change. No representative of the Pharmaceutical Society should be on the L.A.E., the machinery of which should be complete in itself, and not in any way entangled with that of any other body. Further, the meetings of the L.A.E. should invariably be held elsewhere than at No. 17 Bloomsbury Square, as the atmosphere of that place is but little conducive to progress, and it is high time some real progress was made."

We leave the matter for the present, although we should have liked to take up the challenge promptly. It appears from correspondence which has reached us that we have revived the territorial-representation controversy by the incidental mention of that subject. The analogy of Parliamentary elections is referred to, and it is asked, Why cannot we have *our* Reform Act, which will enfranchise every qualified chemist? This is not so unreasonable as it may appear at a casual glance, because all those who have passed the Qualifying examination within recent years have paid a fee which should cover their permanent interest in the governing body. This is getting near the question of compulsory membership, which we are not prepared to advocate at present, for the reason that it is not necessary whilst the Pharmaceutical Society represents the majority of qualified chemists. The attitude of the Council is lethargic enough at present without by compulsory membership taking away every incentive to attract members. We leave for a future article the more difficult subject of reconstituting the Pharmaceutical Society.

Insurance Dispensing Difficulties.

IX. Ingredient-charges.

Loss to panel chemists sometimes occurs where preparations specially compounded by them, and not quoted in wholesale price-lists, are dispensed as constituents of other medicines. This is due to the fact that such preparations are priced from the ingredients without any allowance being made for the cost of manufacture. In order to make this point clear it is necessary to recapitulate the general method of fixing the charges for drugs and preparations used in dispensing for insured persons. The cost-price is to be obtained from a wholesale "net" price-list agreed upon locally between the Insurance Committee and the Pharmaceutical Committee and notified to the National Health Insurance Commissioners. This principle applies equally whether or not the drugs and preparations are specified in the official table of drug-prices, and it is evident that the price of any preparation so obtained must include the manufacturer's cost of production. If the panel chemist chooses to make the preparation for his own use, he is nevertheless allowed the cost of manufacture over and above the bare cost of materials, and it is of the highest importance that this principle should be maintained if the chemist is to be guarded against loss in the supply of medicines on a cost-price basis. As showing how the point applies, reference may be made to the latest arrangement for the pricing

of aromatic medicated waters, which are now assumed to be dispensed from the concentrated preparations and priced accordingly. But in the case of aqua camphoræ and aqua chloroformi, neither of which can properly be classed in the same category as medicated waters which are officially directed to be prepared by distillation, the official preparations are to be priced for, except where there is a local arrangement to the contrary or where the prescription specifically indicates the "ex conc." preparation. Now, the cost of aqua camphoræ and aqua chloroformi prepared "ex conc." is considerably less than that of the official preparations as quoted in wholesale "net" price-lists; at the same time it may be stated that it is probably quite an exceptional circumstance for a chemist either to dispense the "ex conc." preparations in these two instances or to purchase the official articles from a wholesale house. He prepares these two waters for his own use in dispensing, as directed in the British Pharmacopœia; but, in accordance with the principle on which the official Tariff of Prices is based, he is rightly allowed the cost of manufacture as included in the wholesale "net" list prices. The same thing applies where the panel chemist makes his own syrups, tinctures, ointments, etc., as the good pharmacist is continually being urged to prove his professionalism by doing. In every instance he is allowed the cost of manufacture as included in the price quoted in the wholesale "net" price-list, and there can be no question as to the necessity of this principle being maintained in its entirety, however simple may be the process of manufacture in specific instances. Unfortunately, the principle is at present departed from where a preparation not quoted in wholesale price-lists is ordered in a prescription as an ingredient of some medicine and must be specially compounded for the occasion by the chemist before he can proceed to dispense the medicine. The general rule at Pricing Offices, applicable in such a case, is to allow only for the ingredients of the particular preparation at "net" cost prices and without any allowance for the cost of manufacture. If the preparation were to be dispensed alone, the dispensing-fee allowed for dispensing it would in most cases cover this cost of manufacture; but where the preparation is dispensed as an ingredient of some other medicine only the one dispensing-fee is allowed, and the chemist naturally suffers loss. This loss may appear slight in any particular instance, but the aggregate of such losses may be very serious, as will be realised by any chemist who takes the trouble to reckon the wastage involved in making many preparations, and the expense frequently incurred for items which are used in the process of manufacture, but are not included in the ingredients which alone the Pricing Offices take into account when fixing the charges. In extreme cases the chemist may even lose on the transaction where the specially compounded preparation is dispensed alone and priced from the ingredients, with the addition of the higher dispensing-fee. Cataplasma kaolini, B.P.C., for example, cannot be properly compounded and dispensed on such a basis except at a loss as compared with the supply of the same preparation purchased ready made and priced at the "net" cost price *plus* the lower dispensing-fee allowed for articles included in the official Tariff of Prices.

War Taxes.

In the United States the war revenue measure, which has been discussed for four months, has become law. It imposes a tax of 2 per cent. on the price of perfumes, cosmetics, and proprietary medicines. Cameras are also taxed at the same rate. In the United Kingdom there are rumours of an adjustment of the rates charged upon medicines. The anomaly of a duty of 3*d*. upon a 6*d*. article will, we hope, be done away with. There are suggestions also that there may be an extension of the tax on the lines of the American law.

Sale of Malt Extract.

The Malt (Restriction) Order, 1918, to which reference is made on p. 33, prohibits (except under licence) the manufacture, sale, purchase, delivery, or use of any malt or malt extract on and after March 1. The makers of pharmaceutical extract of malt already work under licence, but the position of chemists in the buying and selling of the product and the standing of the public who use malt extract and its preparations for medicinal and food purposes seemed to be seriously compromised. From information obtained from the Ministry of Food we find, however, that it is not intended to effect any change in regard to the manufacture, sale, and use of pharmaceutical malt extract (see *C. & D.*, May 12, 1917, p. 43). The licences of the makers are being renewed, and these licences carry with them the condition that the product may only be sold for medicinal or food purposes. Chemists who observe this condition do not require licences.

Profits on Proprietaries.

We are glad to find that the Proprietary Articles Trade Association has recognised—somewhat petulantly, it is true—that the movement in favour of face-value and increased profit on proprietary articles is one that cannot be ignored. The following is the commencement of an article printed in the "Anti-Cutting Record" for February:

During recent months much correspondence, some of it of a very unreasoning and intemperate character, has appeared in the trade papers on the subject of P.A.T.A. and other proprietary prices. We welcome criticisms, especially when they lead to well-directed energy, and we hope that some good may come of so many suggestions and so much earnest counsel. There can be no doubt that, though some of the proposals are outside the sphere of practical politics, others are already within the compass of approved objects of the Association. The Council are fully alive to the importance of them, but they feel that to drive the car at the breakneck pace demanded by some of the correspondents over the rutty roads of present-day commerce would be a sure way to wreck the machinery. They have the good of the members too much at heart to risk bringing to an untimely end the undoubted advantages that have been so laboriously built up by many workers.

It is several months since the movement was started in The Chemist and Druggist, so that the breakneck pace has not materialised. We hope in its own time the P.A.T.A. will recognise the sincerity of the movement, because we regret to see that an attempt is being made to imply an attack on the Wholesale Section of the Association. The writer in the "Anti-cutting Record," who states he has frequently heard the sneer, "What does the wholesaler do for the profit he gets through the P.A.T.A.?" should really get into better company. Few business men begrudge the wholesaler his profit, and all agree that the small percentage is well earned.

Venereal Disease Scheduled Areas.

Chemists whose places of business are in the following districts are reminded that on and after March 1 these become "scheduled areas" under Section 1 of the Venereal Disease Act: *City*—London; *Counties*—Anglesey, Bedford, Brecon, Carmarthen, Carnarvon, Flint, Gloucester, Merioneth, Oxford, Pembroke, Soke of Peterborough, Southampton, East Sussex, West Sussex, Warwick, Westmorland, Worcester, West Riding of Yorkshire; *County Boroughs*—Barrow-in-Furness, Bath, Birkenhead, Birmingham, Blackpool, Bolton, Bournemouth, Brighton, Bury, Chester, Exeter, Gateshead, Gloucester, Halifax, Liverpool, Manchester, Nottingham, Oldham, Oxford, St. Helens, Salford, Sheffield, Smethwick, Southend-on-Sea, Swansea, Wallasey, Wigan, Worcester, York. It is an offence in these areas for anyone not a qualified medical practitioner (for reward) to treat, prescribe for, or give any advice in connection with the treatment of, venereal disease.

Chemical Trade Council.

Referring to the recent note in the *C. & D.* regarding the necessity of organising promptly the chemical industry of this country, we are informed that the Government has decided to recognise the Association of British Chemical Manufacturers as representing chemical-manufacturers in accordance with the scheme of the Whitley Report. The Association was founded at a meeting held in the rooms of the Chemical Society on May 23, 1916, and was registered

as a company on December 28, 1916 (*C. & D.*, January 6, 1917). The organisation was devised on an ambitious scale, a series of group Committees being formed as follows: (1) Acids (including acetic and oxalic), carbonic acid, hydrogen, oxygen and gases, alum, chrome, zinc, copper and iron compounds, fertilisers (including superphosphates). (2) Alkalies, cyanides, chlorine and compounds, silicate, chlorates, borax, hydrogen peroxide, magnesia compounds (not medicinal). (3) Fats, greases, waxes, resins, glycerin, soap. (4) Gelatin, sizes, glue, varnishes, paints, polishes, tanning. (5) Distillation of coal, shale, oils and wood, alcohol, acetone, coal-tar primary products (including ammonia and ammonia products), charcoal, fuel. (6) Fine chemicals, analytical, pharmaceutical, photographic, rare earths, synthetic essences and perfumes, alcohol derivatives, ethers. (7) Phosphates, manganese, potassium, sodium, barium, calcium, cardinium, etc., lead, arsenic, antimony, tungsten, molybdenum, etc. (8) Cellulose products (including paper), celluloid, rubber and substitutes. (9) Explosives, and dyes and their intermediaries. (10) Glass, porcelain, pottery, refractory materials, lime, cement, chemical-resisting materials. (11) (Allied industries) Bleachers, dyers, and textile printers. There are about twenty members of the Council of Management, among them being Mr. C. A. Hill, B.Sc. (The British Drug Houses, Ltd.), and Mr. F. H. Carr (Boot's Pure Drug Co., Ltd.). In August 1916 Sir Charles Bedford was appointed Secretary at a salary which ran into four figures. He resigned his position in June 1917, and since then the work of the Association has been carried on by an Acting Secretary (Captain G. Mount). The post of Secretary, which has been vacant for eight months, has now been filled, so that the Association may be expected again to take its part in promoting and protecting the interests of the British chemical industry.

New Books.

Austen-Leigh, E. C. *A List of English Clubs in all Parts of the World for 1918.* 4¼ in. × 6½ in. Pp. 188. 5*s.* (Spottiswoode, Ballantyne & Co., Ltd., 1 New Street Square, London, E.C. 4.) [Contains particulars of over 4,000 clubs frequented by English-speaking peoples in various countries. The lists of clubs are arranged sectionally, and comprise London, the provinces, Europe (excluding enemy countries), America, West Indies, Africa, Asia, Australia, and Malaysia. This is the twenty-sixth year of issue.]

Clowes, F., and Coleman, J. B. *Quantitative Chemical Analysis Adapted for Use in the Laboratories of Colleges and Technical Institutes.* Eleventh edition. Pp. xxiv + 580. 12*s.* 6*d.* (London: J. & A. Churchill, 7 Great Marlborough Street, W. 1.) [The first edition of this work was published in 1891, and since then the various editions that have appeared have followed up the changes which have taken place in chemical science and the methods of teaching it. The authors state that the analytical methods have been tested in the laboratory, and proved to be practical and trustworthy, before they were included in the work. Part I. deals with preliminary and general operations; II., gravimetric analysis; III., volumetric analysis; IV., complex quantitative estimations; V., ultimate analysis; VI., gas analysis; VII., typical results; VIII., preparation of gases. There are useful appendices and a good index. It is a good student's book, and reasonable in price.]

Findlay, A. *The Treasures of Coal-tar.* 7½ in. × 4¾ in. Pp. 137. 4*s.* 6*d.* net. (Geo. Allen & Unwin, Ltd., 40 Museum Street, London, W.C. 1.) [Dr. Findlay is professor of chemistry in the University of Wales, and director of the Edward Davies Chemical Laboratories, University College of Wales, Aberystwyth, so that although this book on coal-tar products is written for popular use, the information is correctly conveyed, making the treatise one which interests technical readers. The book is divided into ten chapters, dealing with the production of coal-tar, its constituents, and the products obtained from it. One chapter deals with "Drugs, perfumes, and photographic developers," and is sufficiently up-to-date to include a mention of acriflavine, although, examined from a technical point of view, the chapter is somewhat academic. It is a useful and interesting book, and by reading it chemists could readily revive their knowledge of the subject.]

Associations' Winter Session.

Belfast.—The adjourned annual meeting of the Ulster Drug Trade Association was held in the Chemists and Druggists' Society's Rooms, Waring Street, Belfast, on February 20, the President (Mr. F. T. Smith, J.P.) in the chair. Previous to the business of the day Mr. J. D. Carse resigned his Vice-Chairmanship, and Mr. S. Suffern was appointed in his place, Mr. Carse being elected to the seat on the Committee vacated by Mr. Suffern. The new rules of the Association were passed with some slight alterations. The question of face-value for patents was discussed, and eventually it was decided to recommend to the Committee that this be put into practice—with discretion—at once, and that the Committee take steps to link up this Association with others having a similar object; further, that face-value should be coupled with a minimum rate of profit on sale, certain percentages being fixed as minima in different groups, such as food specialities, medicinal preparations, and toilet-articles, and that the members should, before stocking, at once report to the Hon. Secretary if any new article was offered to them below these rates, so that suitable action might be taken.

Birmingham.—At the meeting of the Birmingham Pharmaceutical Association on February 20, under the presidency of Mr. H. Buckingham, a lecture entitled *Amongst the Cotswolds*, was given by Mr. W. Partridge, and proved very interesting. It was illustrated by lantern-slides, which were prepared by the lecturer and demonstrated his proficiency in the art of colour-photography. On the proposition of the President, seconded by Mr. W. C. Thompson, a hearty vote of thanks was accorded to Mr. Buckingham.

Bradford.—At the annual meeting of the Bradford Pharmacists' Association, held on February 26, the following were elected officers: *President*, Mr. W. E. Sutcliffe; *Vice-Presidents*, Messrs. Thorpe and Appleyard; *Hon Treasurer*, Mr. W. I. Jolly; *Hon. Secretary*, Mr. F. E. Burdett; *Council*, Messrs. Silson, Holroyd, and Faull; *Representatives on the Chamber of Trade*, Messrs. Pycroft and Bainton. It was decided that fifty war-savings certificates be purchased. Considerable interest arose out of a suggestion by the Council that a co-operative scheme amongst the members might be established for the employment by the Association of a qualified locum to be let out to members as required during illness or holidays. Mr. Burdett strongly urged the idea, and thought it was the only way in which many chemists would get a holiday this year. Six months in the summer was suggested for the present, but, in answer to criticisms, he thought the man might be found employment even in the winter. Several members doubted whether there would not be too great a demand on the locum during the best weeks of the summer and too little at the beginning and end. It was pointed out that holidays would have to be taken by ballot. The meeting approved the scheme in principle, and a number of members signified their readiness to take part, and others promised a decision after a few days' thought at home. It was agreed to form a Committee to work out the details of the scheme.

Cardiff.—The annual meeting of the Cardiff Pharmacists' Association was held at the Angel Hotel on February 20, Mr. Furnival presiding. The President announced that 40*l.* had been collected for the Parliamentary Fund in addition to the ten guineas which the Association had subscribed. The whist-drive in aid of the St. John Ambulance and the Red Cross Society had netted 65*l.* 5*s.* Mr. Furnival was thanked for his services. Mr. Murray, the new President, then took the chair and delivered an address on *The Metric System*, of which he is an ardent advocate, summing up by stating that the adoption of the decimal system means the absence of troublesome reductions, the simplification of the addition of columns of figures, and the abolition of compound arithmetic. It assures less liability to error and a much more rapid system of calculation, saving time in the factory, workshop, counting-house and pharmacy, and aiding in the development of our foreign trade. On the proposition of Mr. Leo Joseph, seconded by Mr. Johnson, the President was thanked for his address. The services of the retiring officers were also recognised, and a special vote of thanks was accorded to Mr. J. D. Jenkins for his efforts on behalf of the Benevolent Fund, which had resulted in a sum of over 25*l.* being raised during the year.

Darwen.—At a meeting of the Darwen Chemists' Association held on February 21, the evening was fully occupied with a discussion on prices. A resolution was passed extending sympathy to the "face-value" movement, but stating that it should be worked through the P.A.T.A., on account of the hold in the North of the co-operative movement.

Harrogate.—The meeting of the Harrogate and District Pharmaceutical Association at the Salisbury Hotel on February 20 took the form of a "Mock Parliament." The Speaker (Mr. Harper) opened the proceedings, and after

The Harrogate Parliament.

Top Row (from left to right).—Mr. J. M. Dawson, Mr. Atkinson, Mr. Simpson, Mr. Rogers, Mr. England, Mr. Pattison, Mr. Robinson, Mr. Johnson, Mr. Foster, Mr. Ridge.
Bottom Row.—Mr. Windemer, Mr. Illingworth, Mr. Handford, Mr. Wood, Mr. Harper (President), Mr. Gillegan, Mr. Armitage, Mr. Mortimer.

questions had been asked and had been answered by members of the Cabinet, the Home Secretary (Mr. Mortimer) brought in a "Bill to make provision for a more efficient Pharmaceutical Service and a better Pharmaceutical Organisation in the public interest." A long debate ensued, marked by wit and good-humoured banter, which did not obscure the evident desire for a scheme of reconstruction for the betterment of pharmacy and the welfare of the pharmacist. Certain clauses of the Bill were criticised—*e.g.*, those dealing with the hours of business and a rota for Sundays and half-holidays; while others were unanimously supported, such as "that all advertised medicines and invalid foods should be sold at exactly the prices they are marked." Pharmaceutical education and chemists and the public service were other subjects thoroughly discussed. The meeting was highly successful.

Liverpool.—The Liverpool Chemists' Association met on February 27. The Secretary (Mr. D. H. Evans) informed the meeting that the objectionable L.G.B. circular associating druggists with quacks and others (*C. & D.*, February 16, p. 46) was still being circulated daily in Liverpool, despite the Pharmaceutical Society's promise that it should be withdrawn. Mr. George W. Marris, Ph.C., then delivered a lecture on *Eucalyptus*, which he described as an aristocrat among plants. Its uses in North Palestine and in Italy were described, and the industry of Colonial chemists in research concerning this plant was highly praised. In his concluding remarks Mr. Marris urged that the studies of apprentices should from the earliest days be directed into interesting and appropriate channels. Speaking on a vote of thanks, Dr. Symes, referring to the exclusive claim to the title "chemist" put forward by the Institute of Chemistry, remarked that some of the most profound chemists had begun their careers in pharmacy, which, as Professor Redwood held, was the best and most comprehensive training for a scientific man. The Vice-President (Mr. Clubb) moved that the Association order Mr. Marris's paper to be printed; this was agreed to, and appreciation of the lecture was also expressed by Messrs. Wallbridge and Robinson. The President (Mr. William P. Evans) mentioned that at the next meeting Mr. W. H. Saunders would speak on "Face-values," and that Mr. J. W. Deakin would address the Association at the Benevolent Fund smoking-concert in April. Messrs. J. G. Tringham and H. Jensen were elected members.

London Co.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on February 19, Mr. A. R. Melhuish (President) in the chair. The resignations of Messrs. J. Hearle and C. Breese from the County Executive were received with much regret, and they were accorded a hearty vote of thanks for their past services. Messrs. Milner, Sayers, and Wing were appointed delegates to represent the London County Pharmaceutical Association at the annual meeting of the Early Closing Association, which will be held on March 21. The report of the Organisation Sub-Committee recommended that the subject for simultaneous discussion by the District Associations should be "The Pharmaceutical Council Election, May 1918," which was agreed to. Mr. J. Keall was unanimously elected Trade Secretary for the County of London. After some discussion the report was adopted on the motion of Mr. Keith. The Election Sub-Committee reported that they had considered the present position relative to the forthcoming Pharmaceutical Council election, and were of opinion that the views of prospective candidates should be obtained. They also intimated that they were not prepared to recommend that the election expenses incurred by any candidate should be borne by the London District Associations. In the discussion which ensued strong representations were made urging that immediate steps should be taken to secure the return of Mr. Keall.

Newport (Mon.).—The monthly meeting of the Newport Pharmacists' Association was held at the Shaftesbury Hotel on February 26, Mr. Benson Harries in the chair. A report of the South Wales Federation meeting, which was held at Swansea, was given by the delegate, Mr. Findlay, and an interesting discussion took place. The meeting also decided to adopt, with a few modifications, the minimum retail-price list of the "British and Colonial Pharmacist," and it was also decided to become affiliated to the Local Chamber of Commerce, Mr. Benson Harries being appointed as delegate. Another interesting feature was the decision to form a reference library, several works being presented there and then.

Norwich.—The annual meeting of the East Anglia Federation of Pharmaceutical Associations was held at the Royal Hotel, Norwich, on February 21. The retiring Chairman (Alderman A. S. Campkin, J.P., Cambridge) presided over a good attendance. The members met at tea, and afterwards the business meeting was held. During the evening tributes were paid to the enthusiasm and energy which Mr. Campkin has shown in the work of the Federation. Presenting the first annual report, the Secretary (Mr. C. Harrison) said the Federation had been supported from its inception by most of the Associations in East Anglia, although King's Lynn, Hitchin, and Lowestoft were still unrepresented. If properly taken up by the local Associations, it would ultimately be a most useful institution. The treasurer (Mr. J. W. Bodger, Peterborough) presented the financial statement, which showed a balance of 8*l.* 16*s.* 8*d.* in hand. The retiring Chairman (Alderman Campkin) eulogised the work of the Secretary and Treasurer, and, continuing, said that the Federation had been the means of securing thousands of pounds more pay for chemists for Insurance work, some of which had undoubtedly come to East Anglia. Important successes had been gained in regard to the mile limit in rural areas, and resolutions regarding veterinary risks had had effect. The Pharmaceutical Society had before it a year of anxiety in which certain organic changes might be made. There was absolute necessity for co-operation. In addition to the Education Bill, a Bill for the establishment of a Ministry of Public Health would be introduced, and this might materially affect the position of pharmacists. The former Bill might affect the standard of their qualifications, so that there might be another system of obtaining degrees, which might possibly mean the destruction of their individual right to the title of chemist. The setting-up of a State service would further affect their position, already undermined by the National Insurance Act and the Venereal Disease Act. These proposals would need their utmost attention. The retiring officers were thanked, and the officers for the coming year elected as follows: *President*, Mr. J. F. Collins (Norwich); *Vice-President*, Mr. J. C. Wiggin (Ipswich); *Secretary*, Mr. W. J. Lacey (Norwich); *Treasurer*, Mr. J. W. Bodger (Peterborough).

Ucal Federation.—A meeting of the London Branch was held at the Progressive Pharmacy Club on February 20, presided over by Mr. C. W. Matthews. After the minutes and the Secretaries', Treasurer's, and Executive's reports had been adopted, a keen and interesting discussion took place on Ucal matters and an advertising propaganda in the Metropolitan area.

Expectation of Quick Returns is an unfair handicap on an investigator. In making a real experiment no one can see the result, else were the experiment hardly necessary. Much of pioneer work must be groping more or less in the dark until a glimmer of steady light in some one direction points the way to discovery.—*Sir Oliver Lodge.*

Montserrat Oil of Bay.—The bay-oil industry is receiving considerable attention in the island of Montserrat, as is shown by the fact that no fewer than 50,000 bay-plants have been distributed during the last four years, and the demonstrations at the station of the proper care and treatment of bay-trees must be of great value to those interested in the industry.—*Report of the Agricultural Department, 1916-17.*

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Cumberland.—At the quarterly meeting of the Insurance Committee, held at the Courts, Carlisle, last month, it was decided to support an application from the Whitehaven District Committee who wished to discontinue the opening of pharmacies on Sunday and Friday afternoons until 2.30 P.M., the doctors having agreed to dispense in urgent cases. During the last six months no chemist had had a single prescription on Sundays, and on Fridays and the half-holidays the average had been not more than one or two.

Derbyshire.—With a view to settling the question of the 1914 surcharges without an official inquiry, the Insurance Committee invited representatives of the Panel and Pharmaceutical Committees to a joint conference, but the latter Committee declined the invitation on the ground that the real issue is that of making good the deficiency, which was the outcome of either excessive prescribing, excessive sickness, or both. This reply was read at the meeting of the Insurance Committee on February 18, when it was explained that the conference would be informal and its decisions not binding, and by the casting-vote of the Chairman it was resolved to adhere to the proposal.

London.—The Insurance Committee met at the County Hall, Spring Gardens, S.W., on February 28. The report of the Finance Sub-Committee recommended the following payments to chemists: For 1916, 8*s.*; for 1917, 7,507*l.* 0*s.* 5*d.*; for 1918, 3*s.* 8*d.* The Commissioners approve of the allocation of 1,685*l.* for the administrative expenses of the Pharmaceutical Committee for 1918, provided that such sum does not exceed the administrative expenditure or an amount calculated at the rate of one halfpenny per head of the insured persons in the area, whichever is the less, and also provided that no portion of such allocation shall be paid to the Secretary of the Committee for his personal services while he is a member of the Committee.

Smethwick.—At the meeting of the Insurance Committee last month, the Medical Benefit Sub-Committee recommended the cessation of the recent extension of chemists' hours to 8.30 P.M. on Monday and Saturday, as the dispensing required during the extended period is very little. The whole of the chemists on the panel have accepted service for 1918. For the first half of last year the prescriptions dispensed numbered 40,488, at a cost of 932*l.* 13*s.* 8*d.* (ingredients, 431*l.* 1*s.* 4*d.*; dispensing-fees, 501*l.* 12*s.* 4*d.*). The average ingredient-price per prescription was 2.56*d.*, and the dispensing-fee 2.97*d.*; and the total cost per insured person was 8.64*d.* The Finance and General Purposes Sub-Committee recommended that no action be taken with regard to the report of the auditor on the operations of the Pricing Office for 1916, as the total error disclosed in respect of prescriptions examined amounted to only 9*d.* underpaid to chemists. Payment has been made to chemists of 283*l.* 1*s.* as balance of accounts for October, payment for November, and an advance for December last. The accounts recommended for payment included 6*l.* 10*s.* 1*d.* to the Pharmaceutical Committee for administration expenses, to be deducted *pro rata* from chemists' accounts.

Somerset.—At the last meeting of the Insurance Committee payment was ordered to be made to each panel chemist of the county for the balance owing to him on his account for prescriptions for the previous month, as priced by the Pricing Bureau, together with 4*d.* per prescription upon the number of his prescriptions for the current month, as certified by the Pricing Bureau, to be charged to the fund to which such payments are respectively appropriated. It was reported that 29,195 prescriptions had been issued for the quarter ended September 30, at a cost of 966*l.* 19*s.*

Stoke-on-Trent.—At the meeting of the Insurance Committee recently, Dr. Prendergast directed attention to the item in the report of the Finance Sub-Committee "Panel Fund, 1916.—Final payment, 1,772*l.* 4*s.* 10*d.*," and said that, on behalf of the panel doctors, he had to express great dissatisfaction. In the first place, the settlement for 1916 was not made until 1918. That was an unconscionable time for men to be kept out of their money. Then there was a surplus from the Drug Fund of 565*l.*, and this amount, he submitted, according to the regulations, should have been handed over to the Panel Fund and divided amongst the doctors. In regard to the Drug Fund the chemists were paid in full. (Mr. Edmund Jones, chemist and druggist: "Not in 1916.")

SCOTLAND.

Aberdeenshire.—At the meeting of the Insurance Committee on February 23, Major Reiach, who submitted the report of the Medical Benefit Sub-Committee, stated that a letter had been received from the Commissioners with reference to a recent resolution passed by the Committee, whereby they agreed to make no recommendations for exemption from military service in the case of assistants to chemists. The letter pointed out that the Committee had a statutory duty to consider all applications of that nature, and that the resolution of the Committee was *ultra vires*. Major Reiach added that his Committee, in view of that letter, recommended by a majority of twelve to six that a Sub-Committee be appointed with powers to deal with all applications for the exemption of chemists or their assistants. The report was approved. Major Reiach further stated that the Sub-Committee had directed the attention of the Commissioners to the fact that "repeat" prescriptions were to be prohibited in the area, and that such prescriptions would in future be disallowed.

Stirling.—The Burgh Insurance Committee have declined, by twelve votes to six, to amalgamate with the County Committee following upon the death of their Clerk.

The Scottish Drug Tariff.

The first appendix to the 1918 Tariff, as now issued, shows changes in the prices of sixty-six drugs, of which sixty are increases and six decreases. In addition there are thirteen increases in appliances. A rough scrutiny of the January prescriptions indicates an average increase of 12½ per cent. in prices. The necessity for economy in the use of dressings continues. We append the revised prices for February:

Name	oz. s.	oz. d.	dr. s.	dr. d.
Acetanilid. ...	0	9½	0	1½
Acid. acet. glac....	0	6	0	1
Acid. acet. sal. ...	2	1½	0	4
Acid. benzoic. ...	2	7	0	4½
Acid. tannic. ...	1	7	0	3
Acid. tart. ...	0	4½	0	1
Æth. pur. 0.720 ...	0	4½	0	1
Ammon. benz. ...	3	6	0	6
Ammon. brom. ...	0	10½	0	1½
Bismuth. carb. ...	1	8	0	3
Bismuth oxid. ...	2	7	0	4½
Bismuth. salicyl.	2	4	0	4
Bismuth. subgal...	2	7	0	4½
Bismuth. subnit.	1	7	0	3
Calcii glycerophos....	2	1½	0	4
Camphor.... ...	0	6	0	1
Chlorof. camph., B.P.C.	0	10½	0	1½
Codeinæ phos. ...	8*s.* 1*d.* dr.			
Collod. flexile ...	0	6½	0	1
Conf. guaiac., B.P.C.... ...	0	3½	0	0½
Copaiba	0	11½	0	2
Emuls. petrol. c. hyp., B.P.C. ...	0	2½	0	0½
Ext. ergot. ...	6*d.* dr.			
Ext. ergot. liq. ...	0	7	0	1
Ext. glycyrrh. liq.	0	5	0	1
Ferri ammon. cit.	0	5	0	1
Glycer. pepsin. ...	0	8½	0	1½
Guaiacol. carb. ...	16	10	2	5
Hexamina ...	0	11½	0	2
Lin. camph. ...	0	4½	0	1
Lin. chlorof. ...	0	8½	0	1½
Liq. formaldehydi	0	2½	0	0½
Liq. guttaperchæ, B.P.C.	1	1	0	2
Liq. hamamelid....	0	2½	0	0½
Lithii carb. ...	1	3½	0	2½
Lithii cit.... ...	1	2	0	2
Mag. sulph. eff. ...	0	3	0	0½
Methylsulphon. ...	8	10½	1	3½

Name.	oz. s.	oz. d.	dr. s.	dr. d.
Naphthol. ...	1	6½	0	3
Pepsin	4	0	0	7
Phenolphthalein...	7	4½	1	1
Plumbi acet. ...	0	3	0	0½
Podoph. resin. ...	3	3½	0	6
Pot. brom. ...	0	10½	0	1½
Pot. tart. acid. ...	0	5	0	1
Quinin. hydrochl.	8	9	1	3
,, ,, acid.	9	10	1	5
Quin. sulph. ...	6	4	0	11
Sapo moll. ...	0	5	0	1
Sodii arsen. ...	0	8½	0	1½
Sodii brom. ...	0	5½	0	1
Sodii iodid. ...	2	7	0	4½
Spt. ammon. arom.	0	5	0	1
Spt. chlorof. ...	0	7½	0	1½
Sulphonal ...	9	4	1	4
Sulph. præcip ...	0	1½	0	0½
Syr. sennæ ...	0	3	0	0½
Theob. sod. sal. ...	5	4½	0	9½
Tinct. chlor. et morph. co. ...	0	9	0	1½
Tinct. digit. ...	0	5½	0	1
Tinct. hyos. ...	0	6½	0	1
Tinct. lobeliæ æth.	0	7½	0	1½
Tinct. zingib. ...	0	6½	0	1
Troch. acid. tann. } rate of 4*d.* doz., ,, pot. chlor. } subject revision				
Ung. hyd. amm....	0	4	0	1
,, zinc.... ...	0	3	0	0½

Emp. amm. c. hydr., calefac., ferri, hydr., picis, plumbi, resinæ, sapon., all at 6*d.* sq. ft. or less, spread on calico, flat rate, subject to monthly revision.

Lint, 5*s.* 4*d.* lb.; boric, 2 oz. 7*d.*, 1 lb. 4*s.*; cotton-wool, 4*d.* oz., 4*s.* lb.; sal alembroth wool, 4*d.* oz., 4*s.* lb.

Adhesive plaster (spread on holland), 6*d.* per sq. ft.

Notes.

DOCTORS REMOVED FROM THE PANEL.—Dr. Geo. Harry Bishop, 68 Leman Street, Aldgate, London, E., and Dr. John Henderson Bell, 33 Beaufort Mansions, Chelsea, S.W., have, as a result of inquiry (*C. & D.*, February 23, p. 46), been removed from the medical lists by the National Health Insurance Commissioners.

NATIONAL HEALTH INSURANCE ACT, 1918.—A summary of the principal provisions of this Act has been issued by the Stationery Office (2*d.*). The National Health Insurance Commissioners are calling the attention of Insurance Committees to the provisions of the Act, among the paragraphs being one referring to the expenses of Pharmaceutical Committees. It is intended to publish shortly a revised edition of the Act and regulations.

BY THE USE OF WOOD-PULP BOARD for tinplate in packing the foodstuffs of the Army an annual saving is made of 60,000 tons of steel.

Index Folio 175

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, February 28, 3 p.m.

With few exceptions the upward trend in prices is still observable where shortage exists on the spot, and as arrivals of all kinds of drug and chemical produce continue to dwindle, a point is being reached which will necessitate purchases in diminishing quantities also. The chief changes include an advance in bromide salts owing to spot scarcity and urgent demand. Acetanilide, hexamine, and hydroquinone are all firm; beechwood creosote is dearer, and refined camphor has been advanced a further 3*d*. Phenacetin is rather firmer. Among articles showing a weaker feeling are aspirin, salicylic acid, and amidopyrin. Other changes include a further advance in arrowroot and cocoa-butter, and a decline in shellac. Higher prices have been paid for honey since the auction. Liquorice-juice is easier, menthol is nominal, and cloves dearer; tamarinds are scarce, and realise high prices. Among essential oils a further appreciation has taken place in cassia and clove; cajuput is also scarce and dearer. Japan oil of mint is still neglected; bottled American peppermint is again dearer.

Higher	Firmer	Easier	Lower
Ammon. bromide	Cajuput oil	Coriander-seed	Amidopyrin
Arrowroot	Cloves	Cumin-seed	Antimony
Camphor (Eng. ref.)	Fenugreek-seed	Liquorice-juice	Aspirin
Cassia oil	Peppermint oil (H.G.H.)		Salicylic acid
Clove oil	Wax, veg. (Jap.), (spot)		Shellac
Cocoa-butter			
Creosote (beechwood)			
Farina			
Honey			
Potash bromide			
Soda bromide			
Tamarinds			

Cablegram.

New York, February 28.—Business is quiet. Menthol is steady at $3.25 per lb. Oregon balsam of fir has been advanced to $1.35. Copaiba is steady at 96c., and taraxacum (dandelion) is lower at 35c. per lb.

Acetanilide is in fair demand, and buyers are advised to cover their supplies while parcels are available as no shipments are taking place from the U.S.A., and presently this is bound to affect values. Spot price is 5*s*. 6*d*. net.

Agar-agar.—No. 1 Kobe strip is quoted at 2*s*. 10½*d*. for January-March and No. 2 for February-April shipment at 2*s*. 9*d*. c.i.f.

Amidopyrin.—Market is fairly well supplied at present, and, owing to the small export demand, spot lots can be bought at 62*s*. 6*d*. net. We hear of occasional quotations much lower than the foregoing, but, as sellers have probably great difficulty in getting permits, business often falls through, which means disappointment and loss.

Aniseed.—Russian is offering at 80*s*. per cwt., but there is no demand.

Antimony.—There has been a considerable change in crude antimony since our previous issue. Prices have eased considerably where business has been done, chiefly in consequence of some parcels on the spot being pressed for sale in one quarter, possibly owing to apprehension lest stocks should be commandeered. In order to induce business in face of a slow demand the price recently asked elsewhere of 46*l*. for small lots has been cut to about 43*l*., with business done thereat, and even 42*l*. Offers are still made at 43*l*., but there is after all not a great deal hanging over the market, and a rally is not unlikely considering that only few parcels are afloat to this side, while the placing of fresh orders for shipment is almost impossible in view of the absence of freight facilities and the great difficulty in securing permits. At any rate, c.i.f. terms would probably be well above the price now taken on the spot. America has made big importations in anticipation of the Government placing large orders for munitions. Should the war come to an end this year America would doubtless find herself with large reserve stocks. Refined antimony is also weaker, showing a set-back of about 5*l*. a ton to 76*l*.-77*l*. from the figure paid some time back.

Arrowroot is dearer at 9*d*. to 9½*d*. per lb. for good manufacturing St. Vincent.

Arsenic remains firm. Unfortunately no permits for shipment from U.S.A., the present principal producing source, can be obtained, so that we are dependent upon supplies from Portugal, Japan, Canada, and Cornwall. The abnormally high prices are stimulating production everywhere arsenic is found, and as soon as shipping conditions can be restored there should be a tangible increase in imports. The nominal values of 99 to 100 per cent. Japanese are from 145*l*. to 150*l*. per ton.

Aspirin.—The competition is so keen that orders at, say, from 12*s*. 6*d*. to 13*s*. per lb. as to seller, are seldom declined. This condition is likely to result in a lessened production, and the price is not one that will attract foreign makes, or permit of English makers continuing the production.

Benzoates.—*Benzoic acid* is unchanged at 18*s*. per lb. net for March delivery. Several inquiries have been received here from the United States, which points not only to the product being dearer there, but also scarce. Home production, however, it is thought, is insufficient to allow of exportation. *Benzoate of soda* should be manufactured in this country, but it is not. There is no reason why wholesale druggists should not take up its manufacture.

Bleaching-powder.—Second-hand parcels offer at 17*l*. 10*s*. per ton ex store Liverpool.

Bromides.—As was anticipated, the prices, owing to scarcity on spot, have been advanced by makers. Potash is now 6*d*. dearer at 8*s*. 6*d*., ammon. is 3*d*. up at 6*s*. 6*d*., and sodium 1*s*. up at 4*s*. 3*d*. net. These prices were immediately paid, thus showing the urgent need of buyers. There are no consignments of potash and ammon. in sight, and the position of the former will not be relieved until the U.S. Government gives the necessary permission to allow shipments to go forward. Second-hand parcels of potash and ammon. are almost cleared. A few parcels of Japanese potash crystals have arrived, but these have all been promptly distributed.

Camphor Monobrom is offered at 14*s*. 6*d*. per lb. net on spot.

Camphor Oil is offered at from 110*s*. to 115*s*. per cwt. on the spot.

Camphor (Refined).—English refiners have advanced their prices by 3*d*. per lb., quoting bells at 4*s*. 4*d*. and flowers at 4*s*. 3*d*. per lb.; demand for tablets can only be partly supplied. Japanese slabs remain firm at 3*s*. 11*d*. to 4*s*. per lb. on the spot and at 3*s*. 10*d*. c.i.f.; ½-oz. tablets are quoted at 4*s*. 3*d*. on the spot and on c.i.f. terms, and business has been done in the latter position.

Canary-seed is steady and unchanged, with some business at 187*s*. 6*d*. per quarter for good Morocco.

Caraway-seed.—Sales of small lots of Levant have been made at 220*s*. per cwt.

Cassia Fistula.—Good sound Java is obtainable at 90*s*. per cwt. on the spot.

Cassia Oil is very scarce and dearer, sales of 80 to 85 per cent. c.a. on the spot having been made at 6*s*. 9*d*. and buyers.

Chloral Hydrate.—Supplies of this product, it is anticipated, will begin to diminish in America. Meanwhile, buyers will be wise to cover their wants while spot stocks are available.

Cinchonine.—In view of the large demand for quinine, which can only be partially filled, it may be necessary before long to resort to the minor alkaloids of quinine as a substitute wherever practicable. There is at present a plentiful supply of cinchonine sulphate and hydrochloride and cinchonidine sulphate, and as they are appreciably cheaper than quinine they should certainly command more attention from the drug-trade. Present prices are 1*s*. 10*d*. per oz. for cinchonine sulphate, 2*s*. for hydrochlor., and 2*s*. for cinchonidine sulphate, all less 5 per cent.

CLOVE OIL is about 1*s.* 3*d.* per lb. higher at 18*s.* for English distilled.

CLOVES are dearer, the spot value of fair Zanzibar being 1*s.* 11*d.* on spot, with buyers at 1*s.* 10*d.*

COCAINE.—Supplies of hydrochloride have come forward in sufficient quantities to keep consumption going, but if there should be any increase in the demand it will be difficult to supply. Makers are still very short of raw materials, and the prospects of obtaining coca-leaves on the Continent are more difficult than ever.

COCOA-BUTTER is scarce and dearer, with sales at 2*s.* per lb. for English.

COD-LIVER OIL.—Our Bergen correspondent writes on February 18 that the first reports from the Norwegian cod-fisheries this year give the following results up to February 16:

	1916	1917	1918
Catch of cod (millions)	2.8	1.0	0.5
Yield of c.l.o. (hect.)	3,900	3,100	440
Liver for "raw" oils (hect.) ...	825	1,000	50

The fishermen have this year to fight against a number of extraordinary difficulties, such as shortness of fuel, scarcity of provisions, etc. There is nothing to be reported on the oil market. The trade is, of course, monopolised by the Norwegian Government, who, as recently reported, took over all kinds of oil, including fish-oils, to be used in margarine manufacture, with the exception of small quantities of oils for medicinal purposes in Norway.

COPPER SULPHATE.—There seems to be a little more doing for home agricultural purposes at the fixed prices ruling of from 48*l.* to 52*l.* net makers' works, but makers are not very eager sellers, while early delivery is rather scarce. In regard to export business, there is some inquiry for Italy, but licences are unobtainable, and f.o.b. terms remain chiefly nominal at about 67*l.* 10*s.*, less 5 per cent. f.o.b. Liverpool. The tone is firm. Outside of France, whose needs alone are now considered under special arrangements, there is not much chance of export orders going through. America, therefore, is able to exact extreme prices, although her shipping facilities have been severely curtailed.

CORIANDER-SEED is unchanged at 77*s.* 6*d.* per cwt. for Morocco and 52*s.* 6*d.* to 55*s.* for East Indian.

CREAM OF TARTAR still continues very scarce; limited quantities of French 98 to 99 per cent. powder, about landing, are offered at 390*s.* per cwt., and for 92 per cent. (guaranteed to comply with the requirements of the Sale of Food and Drugs Acts in respect to lead and arsenic) 360*s.* is quoted.

CREOSOTE.—Beechwood is rather dearer at from 15*s.* 6*d.* to 16*s.* 6*d.* per lb. net on the spot.

CUMIN-SEED is steady at 67*s.* 6*d.* per cwt. for good sifted Morocco.

DILL-SEED sells slowly at 55*s.* to 57*s.* 6*d.* per cwt. for fair East Indian.

FARINA is dearer, No. 1 Japan offering at 80*s.* on the spot, and buyers of February-April and April-June at 76*s.* to 77*s.* c.i.f.; *sweet-potato starch* is 73*s.* to 74*s.* c.i.f.

FENNEL-SEED is quiet at 57*s.* 6*d.* per cwt. for East Indian.

FENUGREEK-SEED is unchanged at 44*s.* per cwt. for Morocco.

GENTIAN.—Small spot sales have been made at 90*s.* per cwt.

GINGER.—A fair business has been done in Cochin and Calicut ginger at from 65*s.* to 70*s.*, also in Japanese at 55*s.* on the spot.

GLUCOSE.—Both liquid and solid are still unobtainable.

GUM ACACIA.—Kordofan sorts offer at 85*s.* on the spot; and to arrive business has been done at 77*s.* c.i.f. and further buyers.

HEXAMINE remains firm owing to spot scarcity, but there are several parcels on the point of being shipped from New York, which will relieve the situation; 6*s.* 6*d.* net is current spot value.

HONEY.—Prices since the auction on February 14 have continued to appreciate in dealers' hands, being from 7*s.* 6*d.* to 10*s.* per cwt. dearer. Spot sales include Chilian at 182*s.* net and Californian at 185*s.* net. A fair business has also been done to arrive. Imports are small.

HYDROQUINONE.—The spot price is still 15*s.* per lb., which is appreciably above the New York parity, this being due to the fact that anticipated shipments have not yet materialised. When these do so a decline is looked for. Moreover, preparations are in progress for the manufacture in this country.

LEMON OIL is very quiet, with good brands offering on the spot at 3*s.* 9*d.* and to arrive at 3*s.* 6*d.* per lb. c.i.f.

LIME-JUICE has been selling at 3*s.* 3*d.* and in some instances up to 3*s.* 6*d.* per gal. for raw Jamaica.

LIQUORICE-JUICE is quiet and in easier tendency at from about 325*l.* to 335*l.* per ton for pure block, and sticks 5*l.* more.

MENTHOL remains very quiet, and the price is nominal at 12*s.* 9*d.* per lb. for Kobayashi-Suzuki on the spot. The exports from Japan during November amounted to 15,209 kin, valued at 92,744 yen. During the eleven months ended November 30 the exports were as follows:

	1915	1916	1917
Kin	292,466	360,579	237,047
Yen	1,615,810	2,233,984	1,510,168

The destinations were as follows:

	1915 Kin	1916 Kin	1917 Kin
British India	22,087	21,996	12,385
Great Britain	53,817	126,945	57,418
France	41,774	69,183	2,722
United States	149,606	130,878	147,745
Other countries ...	25,182	11,577	16,777
	292,466	360,579	237,047

METHYL SALICYLATE.—The position in the U.S.A. justifies the market being raised to 4*s.* 9*d.* to 5*s.* on the spot, which is still regarded as quite reasonable.

MORPHINE.—Limited quantities of hydrochloride for home consumption only can be obtained at 13*s.* 6*d.* per oz. net, and for export prices are from 19*s.* to 20*s.* net.

OPIUM is steady and unchanged, with spot business passing on the basis of from 61*s.* to 62*s.* per lb. for 10-per-cent. Persian.

PEPPER is quiet but firm, with fair black Singapore offering at 1*s.* 2*d.*, Tellicherry at 1*s.* 3½*d.*, and Alleppy at 1*s.* 3*d.* Singapore *white* is 1*s.* 8¼*d.* and Muntok 1*s.* 8¾*d.* on spot.

PEPPERMINT OIL.—Spot stocks of H.G.H. are at the point of exhaustion, and single cases have been sold at up to 26*s.* 6*d.* London terms, with 27*s.* 6*d.* asked on Wednesday.

PHENACETIN.—The cheap parcels recently imported have disappeared from the market, and the tone is slightly better, holders getting 32*s.* 6*d.* per lb. net on spot.

PHENAZONE.—Permits are not being granted by the French authorities, with the result that very little is being imported, and stocks have dwindled appreciably. Although the spot value is put at 55*s.* per lb., this price can be shaded.

PHENOLPHTHALEIN is still worth 45*s.* per lb. net on the spot. Although supplies lately from the U.S.A. have been small, and the Swiss output very short, the demand is limited.

QUININE.—The second-hand position remains unchanged, and the market is devoid of any feature, except that there is no quotation available from the makers. As we intimated in our issue of January 26, the five years' agreement between the Java cinchona-planters and the international quinine-makers expires in July next, and judging from an article which appears in the "Oil, Paint, and Drug Reporter" of February 4 it is not likely to be renewed with all the original signatories. The article states: "In Holland there are three companies manufacturing quinine, and they have joined together recently in giving support to a factory in Bandong, Java. . . . Those who suspect German influence infer that the union of these three Dutch factories and the extension of the manufacture in Java must have been engineered by Germans, but this is not known certainly. Sir Francis Oppenheimer, the British Commercial Attaché in Holland, and the originator and controller of the Netherlands Overseas Trust, has said that he was sure these three Dutch companies were quite clear of German influence." This fact deserves emphasis, and confirms the inquiries we made some months ago in regard to the *bona-fides* of the Dutch makers.

RESORCIN is becoming scarce on the spot, and offers from the Continent are few; 45*s.* net on spot is easily obtainable.

SACCHARIN.—A good business continues to be done both on the spot and to arrive at a wide range of prices, mostly between 300*s.* and 370*s.* for 550 strength, and even more, according to quantity and seller. To arrive, sales for March shipment have been made subject to permit being granted by the U.S. at 250*s.* to 260*s.* Several reports are current that the Government are on the eve of taking official control by fixing maximum prices for saccharin, and the figures mentioned in market circles would show more than a 50 per cent. reduction on present rates. Undoubtedly the saccharin market has attracted a number of "outsiders" who have no connection with the chemical trade. Such people have helped to drive up prices to a dangerously inflated level, so that possible Government action may give them pause. It may be that the Government have an ulterior motive in fixing prices, the object being probably to prevent gambling, and induce holders to part with their goods more readily. If, however, the Government is unable to put on the market sufficient and regular quantities of home-made saccharin, the fixing of prices would be practically useless, as the importation would, unless made profitable, cease.

Salicylic Acid.—The demand is well on the quiet side, the market remaining in a lethargic condition. Next month, however, may see an improvement in view of anticipated spring demand.

Saltpetre.—English ground and crystals offer at 67*l.* 10*s.* per ton.

Shellac prices are largely nominal, the market being unsettled in view of possible official action in regard to imports, purchases, and sales. A small business has been done to consumers on the basis of 450*s.* for usual standard TN quality, being lower.

Sulphur.—Supplies are fairly constant and readily obtainable under Government control. Flowers are 29*l.* 10*s.* and roll 28*l.* 10*s.* per ton.

Tamarinds.—Good West Indian continue scarce, sellers asking about 77*s.* 6*d.* per cwt., duty paid.

Thymol.—Crystals offer at 45*s.* per lb.

Turmeric remains firm, with Madras finger offering at 67*s.* 6*d.*, Cochin finger at 52*s.* 6*d.*, Cochin split bulbs at 42*s.* 6*d.*, and Bengal finger at 55*s.* on the spot.

Turpentine.—Small sales to consumers who have permits are being made at 124*s.* per cwt. for American.

Wax, Vegetable.—Japanese is firmer, spot holders asking 105*s.* per cwt.

Zinc Oxide.—There are not wanting signs of firmness here, but prices are largely nominal for English, which remains exceedingly scarce. Foreign material is also hard to get, and is quoted at 75*l.* to 95*l.* per ton, ex wharf London. There is a big demand for zinc dust for special war purposes, while there is a steady demand from indigo manufacturers. At the moment there is practically no spot to be got either of Australian or English, for which prices nominally range from 85*l.* to 108*l.* 10*s.* f.o.r. U.K. ports. C.i.f. Japanese offers have been practically withdrawn, while freight is unobtainable.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(February 16 to 22).

Alcohol, wood, 1,710 gals.
Antimony, reg., 54 tons
Bronze-powder, 5 cs.
Carbon black, 75 cs.
Casein, 940*l.*
Chemical products, unrated, 23 cs.
Bromides: potash cryst., 50 cs.
Calcium cit., 9 cks.
Camphor, 320 cs.
Hydroquinone, 3 pkgs.
Potash iodide, 35 cs.
Pyrogallic acid, 10 cks.
Quinine, 3,526 oz.
Salicylic acid, 20 cks.
Saltpetre, 3,500 cwt.
Drugs, various, 17 cs. 36 bgs.; herbs, dried, 189 bls.
Aloes, 258 cs.
Belladonna-root, 50 cs.
Cassia fistula, 10 bkts.
Galls, 1,120*l.*
Kola, 1 cwt.
Nux vomica, 1,996 bgs.
Senna, 20 bls.
Dyestuffs, tanning materials, etc., unrated, 102 pkgs.; chestnut ext., 1,142 brls.; cutch, 1,500 bxs.; gambier, 2,271 cs. 707 pkgs.; logwood, 437 tons; logwood ext., 178 pkgs.; mimosa ext., 1,648 bgs.; myrabolans, 10,000 pockets 12,000 pkgs. myrabolan ext., 600 bgs.; tanner's bark, 2,891 tons
Gelatin, 1,504*l.*
Lithopone, 980 cks.
Nuts and kernels (cwt.): copra, 26,860; ground, 59,600
Oils, essential, 142 cs. 40 pkgs. 2 jars 2 drms.; camphor, 105*l.*; synthetic oils, 9 cs.
Oils, fixed: castor, 1,907 cks. 20 pkgs.; coconut, 220 pps. 521 cks. 140 cs. 328 tuns; fish, 650 cs.; rape, 500 cs.; sperm, 600 cs.; tea-seed, 225*l.*
Perfumery (mostly raw materials), 3,157*l.*; toilet-powder, 577*l.*
Seeds (bags): castor, 20,356; dill, 445; fenugreek, 215; mustard, 703
Soap, household, 178*l.*; toilet, 36*l.*
Starches (cwt.): unrated, 76; farina, 500; maize, 5,130; potato, 500
Tallow, 2,800 cwt.
Wax, paraffin, 6,584 cwt.
Waxes, not described, 18 bls. 62 bgs. 152 cs.
Wine-lees, 162 bgs.
Cancelled entries: Oct. 24, 2,000 cs. groundnut oil; Nov. 24, 9,291 pkts. myrabolans; Dec. 11, 500 cs. ground-nut oil; Dec. 21, 60 tons ref. antimony; Jan. 3, 200 cwt. potato starch; Jan. 4. 220*l.* galls; Jan. 5, 320 cwt. palm-kernels; Feb. 27, 1,500 brls. resin.

To Liverpool
(February 18 to 23).

Antimony, cr., 100 cs. and 30 tons
Chemical products, unrated, 38 brls. 10 kgs.
Arsenic, 50 bxs.
Bromides: potash, 10 kgs.; sodium, 10 cs.
Calcium acetate, 1,993 bgs.
Cobalt oxide, 21 brls.
Coumarin, 1 cs.
Cream of tartar, 20 cks.
Ferro phosphorus, 32 cs.
Heliotropin, 3 cs.
Hexamine, 5 kgs. 10 drms. 2 brls.
Hydroquinone, 8 kgs.
Methyl salicyl., 20 cs.
Nickel oxide, 337 brls.
Paraldehyde, 18 cs.
Phenacetin, 1 cs.
Pyrogallic acid, 4 cs.
Quinine sulph., 1 cs.
Salicylic acid, 24 brls. 8 cs.
Zinc oxide, 60 brls.
Drugs, unrated, 12 cs. 8 crts. 3 bls. 6 brls.
Cod-liver oil, medicinal, 612 cks.
Galls, 230 cs.
Insect-powder, 20 cs.
Ipecacuanha, 40 bls.
Scopolia-root, 49 pkgs.
Dyestuffs, tanning materials, etc., 1 drm. 44 brls.; chestnut ext., 961 cks. 1 cs. and 4,794*l.*; fustic, 6 tons; fustic ext., 10 brls.; quercitron-bark ext., 1,000 bxs.; sumach, 100 bgs.
Nuts and kernels: copra, 500 bgs.; corozo, 3 sks.; ground, 1,167 bgs.; palm-kernels, 31,666 bgs. and 980 tons
Oils, essential, 1 drm.
Oils, fixed: cod, 500 cks. 285 brls.; fish, 600 brls. 2,350 cs.; shark, 250 cs.; whale, 8 drms.; wood, 60 cks.
Rennet-powder, 1 cs.
Resin, 491 cks. 600 brls.
Seeds: anise, 75 cs.; cotton, 890 tons; dill, 80 bgs.; lin, 42 bgs.
Scrums, 1 cs. 1 bx.
Starches, 215 sks. 3,800 bgs. 1,000 cs.; farina, 1,050 bgs.
Talc, 1,903 bgs.
Wax, bees', 254 ballots
Wax, paraffin, 983 bgs.
Wax, vegetable, 100 cs.

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Accident Insurance.

Sir,—It would be interesting to know if a pharmacist can insure against the various accidents that occur in every-day trade. For instance, in one case a customer in leaving the premises catches his waterproof on a nail; result, a new coat at chemist's expense. Again, assistant knocks over a bottle of olive oil on to customer's dress—same result, but more expensive. The Chemists' Defence Association only make good when errors have been committed in dispensing or selling. I think that pharmacists, if they were able, would be willing to insure against monetary losses such as above. F. (15/2.)

The Qualifying Examination.

Sir,—In regard to the question of re-naming the Minor examination, might an Irish pharmacist suggest that the term "Licence examination" would be more suitable than "Qualifying examination"? The Irish examination is alluded to officially as "Licence," and nearly all the Colleges of Physicians and Surgeons in the United Kingdom use the term. Can there be any objection to the Pharmaceutical Society of Great Britain using it? Some time ago "Xrayser II." alluded to the question of the Pharmaceutical Society of Great Britain holding an examination for assistants, such as we have in Ireland, and invited his Irish friends to give their account of how the qualification works in Ireland. As no one has replied so far, I may be permitted to give my view. The qualification usually carries from 1*l.* to 2*l.* per month more than is given to an unqualified man, and at worst it will give preference to the possessor in a case where there are several applicants who may otherwise appear equally suitable. There seems to be some prejudice among assistants against this examination, and I think the Pharmaceutical Society is to blame. The standard required is too high, and so far as it goes is equal in almost all respects to the Licence examination. If the Council could see its way to reduce the standard, it would, I think, prove beneficial to all. I passed the Assistants' examination in 1912, and I am quite sincere in stating that the oral and practical (compounding) sections were much harder than were the same sections of the Licence examination. Yours truly,

Ballybofey. A. E. Ferris, M.P.S.I.

Pharmacy and Recognition.

Sir,—In view of the present efforts that are being made to improve the status of pharmacists in the Army, it may be of interest to your readers to know that the Government has offered recognition to the Birmingham Chemists' Field Ambulance (Volunteer) with a view to their attachment to the Warwickshire Volunteers as a R.A.M.C. unit. For this purpose the corps in Birmingham has received the approval of the Pharmaceutical Society of Great Britain, and also that of the Birmingham Pharmaceutical Association, and it is therefore strongly urged upon those connected with the drug-trade in Birmingham to join, especially those holding exemption-certificates. By so doing the corps would strengthen the Pharmaceutical Society's efforts on our behalf, would give a strong lead to the whole of the country, and would produce the *esprit de corps* which has been sadly lacking in the drug-trade. As a knowledge of first-aid will count towards efficiency, a class for ambulance-work is to be commenced shortly. I shall be glad to answer inquiries as to membership or give other information. Yours truly,

L. A. Mills.

275 Coventry Road, Small Heath, Birmingham.

Profits on Proprietaries.

Sir,—Is it not time that chemists acted upon Miss Buchanan's suggestion and studied "business training"? After reading the correspondence upon this subject one would think that this branch of business is unprofitable, and therefore to be ignored. As one whose income depends to a certain extent upon the sale of these so-called profitless patents, I beg to take exception to the almost invariable statement put forth by those holding opinions opposite to my own—*i.e.*, that as the percentage gross profit upon sales of proprietaries does not exceed the percentage of overhead expenses, the business is transacted at a loss. Such

fallacy is not admissible in present-day trading, and it is most unbusinesslike to saddle the proprietary-article department with the same proportion of standing charges as, say, the branches dealing with the sale of drugs, sundries, or dispensing. With a business having an average overhead charge of, say, 20 per cent., the proportionate expense for each of above four headings works out as follows with regard to the business with which I am connected: Patents, 10 per cent.; drugs (apart from dispensing), 22 per cent.; sundries, 18 per cent.; dispensing, 30 per cent. Taking the average gross profit of proprietaries (protected and non-protected) at 22½ per cent., a fair margin of profit is shown. Let us therefore endeavour to improve upon these figures by roping into the Proprietary Articles Trade Association those quick-selling non-protected profitless patents rather than destroy the good work already done by this Association, which has not only been the means of our securing extra profit, but what, to my mind, is still more important—the satisfaction of knowing that we are not being undersold. Compare the position of the proprietary-article trade with that of Insurance dispensing, as viewed from the advertiser's point of view. We see chemists absolutely tumbling over each other in their eagerness to supply drugs and sundry appliances at cost price (often less after making due allowance for deterioration and waste) in order to secure the dispensing which yields a return of 2*s.* per hour for services rendered, *plus*, say, another 1*s.* per hour to meet standing charges. These figures are approximate, and based upon the dispensing of twelve scripts per hour. Rent, rates, taxes, heating, and lighting are thrown in free, the official argument being that as the shop was already there the Insurance dispensing business was an extra. Surely the large advertisers might put forth the same argument with about equal fairness. Is there a chemist in business unable to earn 3*s.* per hour in selling proprietary articles? The work is easier, the risk less, while the fact that unqualified and less experienced help can attend to it keeps down the overhead charges. Mr. Mallinson stated at Swansea that Insurance dispensing is worth while if only for the sake of the advertisement. During the last five years thirteen millions of people had been sent to the chemist who previous to the Act being passed would probably not have gone at all. I would point out that the large advertisers of proprietary articles send this number to the chemist each year—people of all classes who, prior to reading the advertisements, required no medicine at all, but go money in hand and open to buy other lines as well. In my experience the extra business accruing from Insurance dispensing is almost negligible. I would rather meet the competition of stores by sacrificing a portion of existing profits on proprietary articles than depend upon the results of Insurance advertising. The ultimate results are far more gratifying to one in business for a living. The multiple shops have built up a huge business, largely through the agency of proprietary articles; had chemists been fully awake to the move the companies would not have secured their present hold upon the purchasing public. They realised the value of such advertising, and now reap the benefit. Rustic. (15/18.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

"You are to be greatly admired and commended for your loyalty to the retail chemists in giving so much valuable space for the discussion of 'Profits on Proprietaries.'"—*G. E. W.* (13/22).

"I enclose my subscription to the *C. & D.*, which I should not like to do without, as I have found it so useful and helpful to keep me in touch with things, especially in these changeable times."—*J. S.* (28/11).

Photographic Waste.

Mr. G. Bernard Savage, Ph.C., Brighton, writes: "A lot of chemists doing a photographic trade do not realise what profit there is in precipitating the silver from their hypo. baths. Having just received a cheque for nearly 5*l.* for the precipitate submitted to the refiners, it struck me that a few words of instruction might be useful to others. All hypo. baths are emptied into a cask standing on end, holding about 30 gals., having a wooden tap placed about 6 inches from the bottom. When full add about 2 lb. of liver of sulphur (costing about 10*d.* per lb.), and stir frequently for two days. Test the liquid top and bottom for silver with more sulphide; if free, run off slowly, and either refill with more hypo. or sop up the deposit with sawdust; dry in odd dishes and send to refiners, Johnson & Sons or others."

Scheduled Areas.

Quercus (91/19) writes in regard to the omission from the "Calendar of the Pharmaceutical Society" of the City of London from the areas under Section I. of the Venereal Disease Act which were scheduled on March 1: "This well illustrates the anomalous position of these areas, as was pointed out in the House of Commons by Mr. Glyn-Jones. It happens that there are two chemists near each other, one on the City side of the boundary and the other in the administrative county of London. The chemist in the L.C.C. area has since November been subject to heavy penalties for prescribing for venereal diseases while his neighbour has a free hand until March. These two chemists are, however, brothers in the craft, and the chemist without the City boundary takes care that the medical fraternity do not benefit from the Act yet awhile. Another interesting fact was mentioned to me the other day. A chemist who had specialised in the treatment of gonorrhœa received an offer from a medical man to share fees in all cases the chemist sends him in future, seeing that the chemist can no longer legally act in these cases."

Jay Macksims (as he writes them).

A Real, Live Policy.

1. Unite with the Apothecaries' Hall.
2. Examinations in easy stages: Simple Preliminary; night school or postal college certificate accepted. Registered apprentice, fee 10*s.* 6*d.*
3. One year's experience; age eighteen; Hall examination. Assistant dispenser, fee 21*s.*
4. Two years' experience; age nineteen; first part Pharmaceutical examination. Registered druggist, fee 2*l.* 2*s.*
5. Four years' experience; age twenty; Final examination, fee 3*l.* 3*s.*
6. Five years' experience, or two years' college and one or two years' experience; age twenty-one. University degree.
7. Twenty years' experience and credentials; modified examination as in California. Registered druggist, fee 2*l.* 2*s.*
8. Scholarships.
9. Registrar to keep in touch twice yearly with every student until qualified. A system of marks.
10. Food and drug inspectors to report to Pharmaceutical Society before prosecution.
11. Pharmaceutical Society to provide an Editor of the British Pharmacopœia.
12. Special Trade Committee of the Pharmaceutical Society to be formed.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

Polarizer (12/20) is engaging a manager. He will pay the manager a salary and provide him with furnished rooms. If he gives the manager a month's notice terminating the contract of service, will the manager be obliged to vacate the rooms at the end of the month? [We advise "Polarizer" to have a written agreement with the manager providing for the termination of the engagement by a month's notice and for the vacation of the rooms by the manager at the end of the month.]

Tenant (12/38) is tenant of a house and shop at a rent of 27*l.* 10*s.* per annum. The owner is disposing of the property, which is freehold, and offers a free conveyance of it to "Tenant" at the price of 450*l.* Is this offer a good one? If "Tenant" accepts the offer will it be necessary for him to employ a solicitor or have the property valued? [Without seeing the property it is impossible to advise "Tenant" whether to accept the offer. There is no necessity for "Tenant" to have the property valued. Nor is there any obligation upon him to employ a solicitor; but it would be prudent to do so unless the landlord's solicitor acts for "Tenant" also.]

E. V. Z. (8/73) is tenant of a two-storey building which was formerly a stable. The ground floor he uses as a workshop and the room above for the storage of goods and as an office. This room is lighted by skylights, the glass of which is broken in places, and the framework too old to permit re-glazing. The tenancy is a monthly one, and the landlord refuses to repair the skylights. What remedy has "E. V. Z." against the landlord? [If in the tenancy agreement the landlord agreed to keep the skylights in repair, he can be sued if he fails to do so. On the other hand, if the landlord did not agree to execute the repairs, "E. V. Z." has no remedy against him.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Ferret (259/33).—Chemical Ferrets.—These are made by saturating lint with a strong solution of potassium nitrate and drying. Then cutting the lint into pieces about 6 in. by 4 in., sprinkle cayenne pepper on the rough side and roll up the lint into a candle-shaped package, tying the roll in two or three places to keep it in shape. One end of the roll is lighted and placed in the rabbit-hole, and the cayenne fumes soon compel the rabbit to bolt out of the hole.

Bodiloa (245/11).—Loose-leaf Ledgers.—A correspondence was conducted in the *C. & D.*, 1910 (vol. lxxvii.) on the best kind of loose-leaf ledger for chemists' use, but did not result in any decided preference for one kind over another.

J. W. M. B. (1/53).—Potato-spraying.—The average amount of Burgundy mixture required per acre of potatoes is 120 gals. For this quantity of water 28 lb. of copper sulphate and 30 lb. of washing-soda are needed. The salts are dissolved separately, and when dissolved and required for use the soda solution is poured into the copper solution. Two sprayings are required, the first at about the end of June and the second two or three weeks after the first. Bordeaux mixture is a similar compound, but lime is used in place of soda. The proportions are copper sulphate, 12 lb.; quicklime, 8 lb.; water, 75 to 100 gals.

J. H. (2/28).—We cannot at present add to the information given on lard-free ointment-bases in the *C. & D.*, February 9, p. 42.

L. V. G. (162/11).—Glycerin of Boric Acid.—The question of what reaction takes place between glycerin and boric acid is not a simple one. Mr. William Duncan, Edinburgh, who has made a special study of the subject (*C. & D.*, January 28, 1911, p. 113), favours the glycerol-boric acid view, and expresses the combination as follows:

$$C_3H_5 3OH + H_3BO_3 = C_3H_5OHBO_2OH + 2H_2O.$$

Mr. Duncan was not able to isolate the acid. In regard to your inquiry as to what is the distinction between glycerin. boracis and glycerin. acid. borici, we presume you mean therapeutically, and we can only reply that there cannot be a great difference unless the presence of the basic sodium borate has a greater influence than one would suppose. The question of the acidity and alkalinity of glycerin. boracis is one of great interest.

Calomel (1/45).—Curd in Lambs is not easily, and seldom is, cured. The term implies curdling of the milk in the fourth stomach, and is supposed to be due to a defect in the quality of the milk. The lamb should not be allowed to take much milk from the ewe unless a recovery is discerned. As a substitute give liquid gruel with an alcoholic stimulant—*e.g.*, æth. sulph., sp. æth. nit., sp. vini rect., brandy or whisky. When a recovery is anticipated give a brisk dose of ol. ricini, and then the following powder twice a day, or oftener if necessary:

Sodii bicarb.	... ...	ʒij.
Bismuth. subnit.	... ...	ʒj.
Pulv. nucis vom.	... ...	gr. x.-xv.
Pulv. glycyrrh.,		
Pulv. gentianæ	... ...	aa. ʒj.

Combined with pepsin this should prove a good preventive. To dissolve the curd give acid. mur. dil. in doses of ten to twenty minims twice daily in water.

C. M. (189/43).—Insurance Dispensing.—We assume that the formulæ for oxymel scillæ and "acct. scillæ dulc." are not identical, so that even if oxymel scillæ is a superior preparation you are not justified in using it in place of what the doctor orders. The panel doctor is not limited in the drugs he orders by the Drug Tariff: it is only in the list of appliances that a strict limit is placed. Occasionally local regulations impose limitations on the supply of drugs—*e.g.*, proprietary medicines—but otherwise any medicine ordered by a panel doctor will be paid for by the Insurance Committee.

A. J. B. (201/29).—Supply of Medicines to Clubs.—Formerly it was customary to supply members of sick clubs with medicines on a flat rate, but the method adopted under the National Insurance Act offers an alternative, although it is less applicable in the case of a club of a thousand members than where millions of persons are concerned.

Sweetener (42/19).—Manufacture of Saccharin.—An outline of the method of making saccharin was given in the *C. & D.*, April 14, 1917, p. 52. All the useful patents for the manufacture have expired, and it is only because no British manufacturer thought it worth while taking up the business that the outbreak of war found us largely dependent upon Germany for our supplies. The following is a list of expired patents to the end of 1900, which you should obtain and study if you are interested in the subject: 6626* of 1885 ("New Sweet Compound and Process of Manufacturing the same"); 596 of 1886 ("New Compounds of Organic Alkaloids and Saccharine, and Method of Producing the same"); 13839 of 1887 ("Improvements in the Treatment of Benzoyl-sulphonic Imide, commonly known as Saccharine"); 22787 of 1891 ("Improvement in the Production of Pure Saccharine"); 10769 of 1893 ("Improvements in Purifying Saccharine"); 21417 of 1893 ("A New Improved Process for the Manufacture of Anhydro-ortho-sulphamine Benzoic Acid, Orthobenzoic Sulphinide, or of its Salts from Commercial Saccharine"); 6198 of 1894 ("Improvements in the Treatment or Purification of Commercial Toluol-sulpho-amide"); 25273 of 1894 ("Improvements in the Manufacture of Toluene Sulpho-chlorides"); 3930 of 1895 ("The Manufacture or Production of Benzamide Orthosulphonic Acid and of Saccharin and other Derivatives thereof"); 5135 of 1895 ("The Manufacture or Production of a Sweet Compound and of Certain Intermediate Products therefor"); 8661 of 1895 ("The Manufacture and Production of Benzo-sulphonimides or their Nitro or Halogen Substitution Derivatives"); 10955 of 1895 ("Improvements in the Manufacture of Saccharine or Compounds therof and in the Production and Treatment of Materials for Use therein"); 17401 of 1896 ("Improvements in the Manufacture of Saccharine or Compounds thereof or Mixtures containing the same and in the Production and Treatment of Materials for Use therein"); 26139 of 1896 ("The Manufacture or Production of Sulphinic Acids of the Aromatic Series"); 27655 of 1896 ("Improvements in the Manufacture of Benzoic Sulphinide"); 1164 of 1897 ("Improvements in the Manufacture of *o*-Sulphamin Benzoic Acid Alkyl Esters and of Anhydro-*o*-sulphamin Benzoic Acid"); 10810 of 1897 ("A Process for the Preparation of Orthotoluol-sulpho Acid and Ortho-sulpho Benzoic Acid by Oxidation of Orthothiocreosol"); 3680 of 1898 ("Method for Oxidation of Orthotoluol-sulphamide to Saccharine, by avoiding the Formation of Ortho-toluol-sulpho acid or Ortho-sulpho-benzoic Acid"); 11077 of 1898 ("Process for the Production of Ortho Toluol Sulpho Acid from Ortho-thiocresol by Oxidation with the aid of Concentrated Nitric Acid"); 11078 of 1898 ("Process for the Production of Ortho-toluolsulphochloride by the Action of Chlorine on Ortho-toluolsulphonic Acid Salts in Presence of Phosphorus and a Suitable Dissolvent for the last-named, for example Bisulphide of Carbon"); 9962 of 1899 ("Improvements in and relating to the Manufacture of Saccharin"); 19629 of 1899 ("Improvements in the Manufacture of Saccharine"); 4525 of 1900 ("Improvements in the Manufacture of Ortho Toluene Sulphonic Chloride and of Saccharine therefrom"); 12585 of 1900 ("Improved Manufacture of Saccharine and of Intermediate Products therefor"); 12871 of 1900 ("Manufacture of Aromatic Sulphinic Acids"); 12872 of 1900 ("Manufacture of Sulphazide Derivatives").

J. A. H. (150/73).—Pereira's "Selecta è Prescriptis" is smaller in size than the book on pharmaceutical Latin you mention. You could probably obtain a copy by advertising in the Coloured Supplement.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 14, 1868.

The Pharmacy Bill.

The course adopted by the United Society of Chemists and Druggists with regard to the Amended Pharmacy Bill seems to us to be just and politic. The Bill offers the public security, and the whole body of chemists and druggists proper recognition, while it provides that this body shall be reinforced in future by duly qualified persons. Its aim and scope are consistent with the requirements of all who practise pharmacy, and with the objects for which the Pharmaceutical and United Societies were founded. It may need further revision, but it is undoubtedly a fair and liberal measure in the main, and it would be unwise to delay its introduction into Parliament. A measure that no one could find fault with is unobtainable, and delay is proverbially dangerous.

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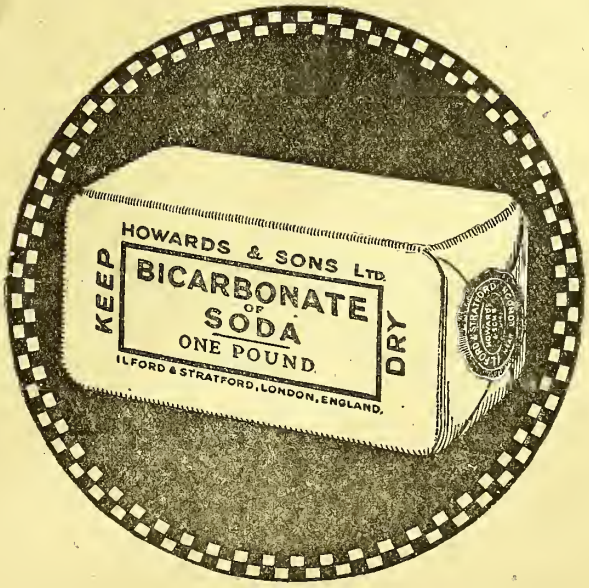

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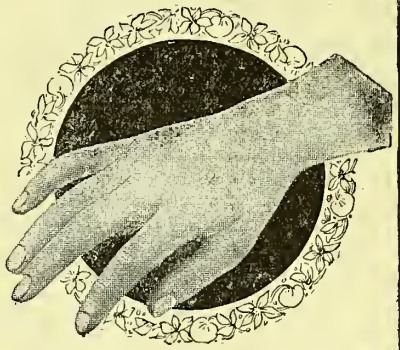

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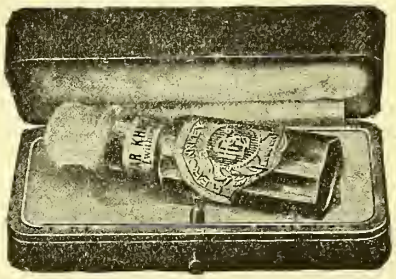

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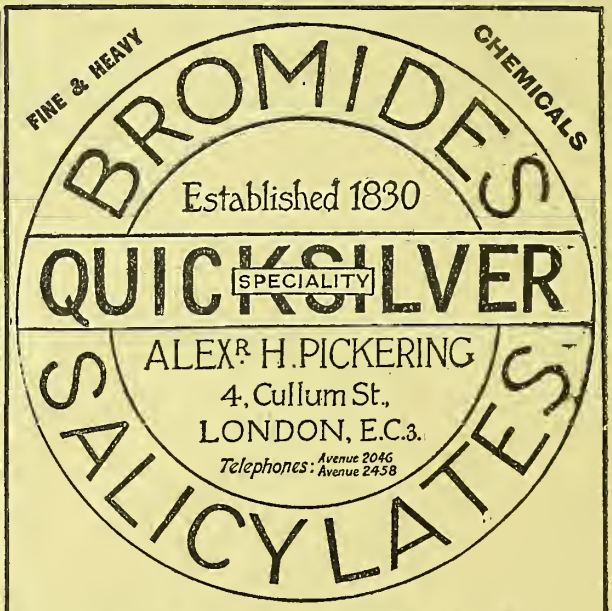

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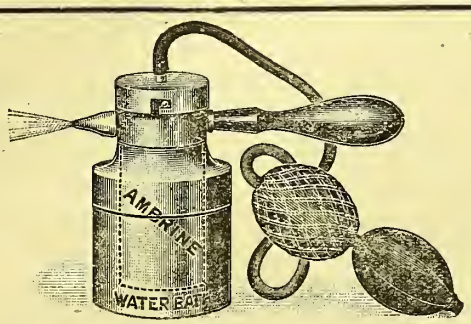

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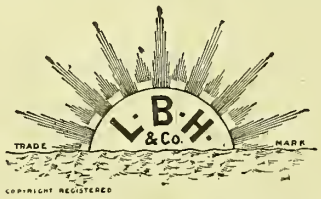

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Published in the Interests of the Chemist and the Public he serves.

THE CHEMISTS' PROBLEM

is like that of the Dentist. About 999 out of every 1000 persons visit the latter under more or less painful compulsion. He is the most successful Chemist or Dentist who can induce the Public to visit him without compulsion.

The most successful Chemists and Dentists attract the bulk of their patronage by "Service." The Chemist who obliges with a postage stamp has the right idea, especially if he renders this small and seemingly unprofitable service with a right good will that places the visitor under a pleasing obligation.

How is it that some Chemists sell 3 dozen tins of Zee-Kol Skin Ointment where others sell none, or only a solitary tin?

Which is the more profitable—the none, or one, or the 3 dozen?

The "Service Idea" Chemist makes more sales and profits, because he makes it his pleasure and profit to know the merits of the articles he can offer to the Public.

The "other" Chemist hands over just what he is asked for, like an automatic machine, and perhaps with a bad grace, or a disparaging or negative remark. If he is asked: "What is good for Eczema?" he places all the different articles he has in stock before his bewildered enquirer with some such remark as: "Oh! they are all much alike." Or, if he has a put-up preparation of his own—the only proprietarial portion of which is his own name printed on the label—"free with a gross order"—he is content to sell it without any real knowledge of its merits or demerits.

INVITATION OFFER TO CHEMISTS!

The Zee-Kol Mfg. Co. know well the superior merits of Zee-Kol. They know that many Chemists do not know what they know, so they will gladly send *a 1/3 tin free of charge for trial purposes.*

The Chemist accepting this offer need not assume any personal responsibility. He can either sell or give it to some poor person with the non-committal explanation of: "I have had this sent to me as a Free Trial Supply. You are welcome to try it free. If it proves as good as the makers say, both you and I will be pleased. I shall be pleased because I can then recommend it to other sufferers in need of a really good Skin Cure."

LOOK AT ALL THESE CHANCES OF SALES OF ZEE-KOL.

Think of the wide field of sales of Zee-Kol to persons suffering from all the following skin troubles:

PIMPLES	PEELING OF SKIN	PILES
BLACKHEADS	HERPES	ABSCESSES
RASHES	CORNS	CHAPPED HANDS
CUTS	SORE BREASTS	DISCHARGING PARTS
BURNS	SORE THROAT	ITCHING
SCALDS	ECZEMA	SORES OF ALL KINDS
CHILBLAINS	ERUPTIONS	DANDRUFF
RINGWORM	BOILS	BED SORES
BARBER'S RASH	ULCERS	ERYSIPELAS
NETTLE RASH	CARBUNCLES	SORE FEET
VARICOSE VEINS	BAD LEGS	

All these are relieved or cured by the application of Zee-Kol, and your recommendation of this medically approved scientific preparation will add to your personal and business goodwill and profit with the public.

YOU CAN ORDER ANY QUANTITY of Zee-Kol from your Wholesale House, or direct. No delay, no fuss or bother. Include a ¼, ½, or 1 dozen order on your next wholesale requisition. But that's not quite all. First show and mention Zee-Kol where and when you can.

YOU WILL GET REPEAT AND NEW RECOMMENDED ORDERS

if you will carry out the foregoing suggestions. Thus you can easily build up a nice ever-growing sale for Zee-Kol, and so increase your sale and profits, and

THE PROFIT IS ALL RIGHT.

The 1/3 tins of Zee-Kol are supplied through your Wholesaler at 12/- per dozen, and the 3/- tins at 28/6 per doz. rate. The tins are not heavy if you pay carriage on your parcels, nor are they so large as to be an item of consideration if your shop is heavily rented, and

Each Zee-Kol customer comes again and again and recommends other customers.

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Butler & Crispe, London	Raimes & Co., York
Wm. Edwards & Son, London	Evans, Gadd & Co., Ltd., Exeter
Barclay & Sons, Ltd., London	Raimes, Clarke & Co., Edinburgh
W. Sutton & Co., London	W. & R. Hatrick & Co., Glasgow
Francis Newbery & Sons, London	W. Patterson & Son, Aberdeen
Jas. Woolley, Sons & Co., Ltd., Manchester	Thomas McMullan & Co., Belfast
Evans Sons Lescher & Webb, Ltd., Liverpool	J. & J. Haslett, Belfast
	Haynes, Coningham & Robinson, Ltd., Dublin

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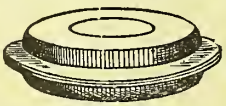

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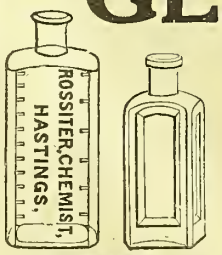

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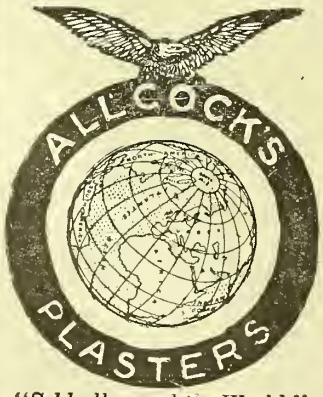

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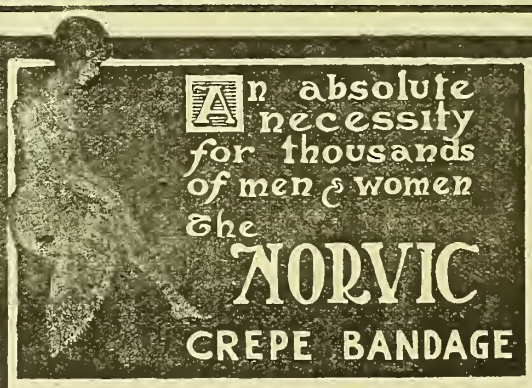

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Extremely elastic, but contains no rubber.
Fast woven edges.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, provide warmth and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers:

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AIR CUSHIONS.

Fig. 1194.

BRITISH MAKE.

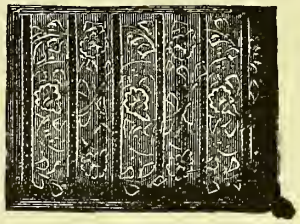

Fig. 1354.

Fig. 1194.—The "**EMPIRE,**" red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	**6 6**	**7 0**	**8 0**	**8 6**	**10 0**	**11 6**	**12 6**

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
Each **4 3** | **4 9** | **6 0**

Special Line.—Khaki-covered Pillow, 17×12 in., in khaki case, with clasp ... ...each **4 6**
,, ,, ,, ,, ,, super quality ... ... ,, **6 0**

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CEMENTS FOR MOST PURPOSES. "COAGULINE." Transparent Cement for broken articles, 6d. bots.
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"UGLY BLACK MONSTERS"

SAPPER D. MACKENZIE, B.E.F., writes:—"Three weeks ago we laid down your 'Rodine' Rat Poison, and we have not seen a rat since. They were ugly black monsters, with the voice of a new-born child and the wheeze of a chronic asthmatic old person. We have still some 'Rodine' left for future use."

"RODINE" routs Rats wherever used. It yields nearly 100 % protected profit. Get it on best terms.

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Quick Sales will be experienced by the display of "Fastnet" handsomely-packed Outfits, costing:—

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No. 3, 6/6

No. 4, 12/-

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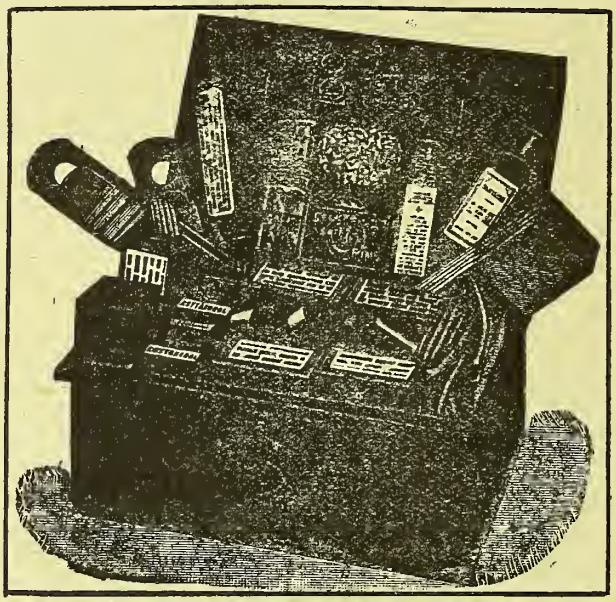

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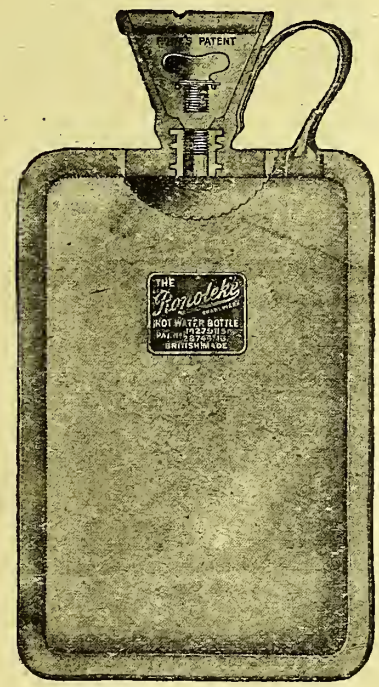

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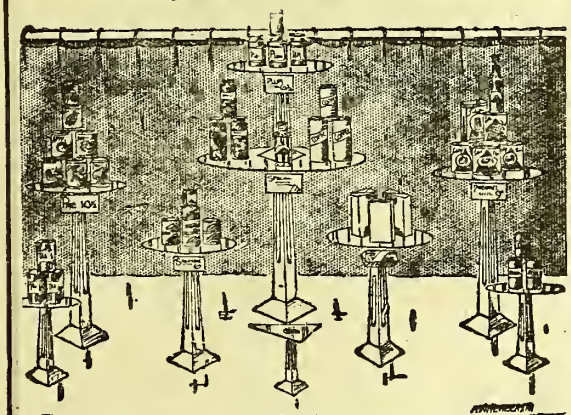

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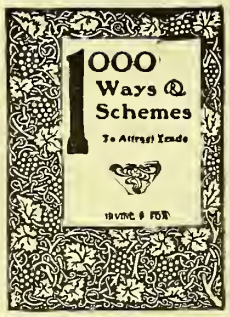

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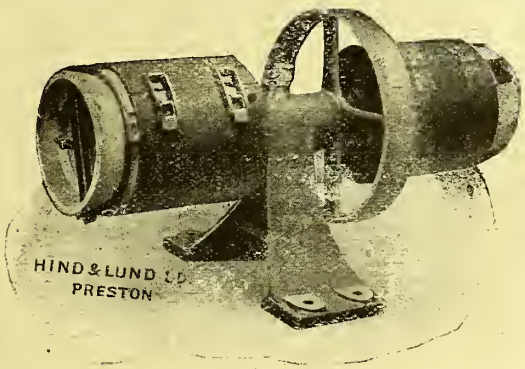

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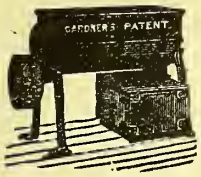

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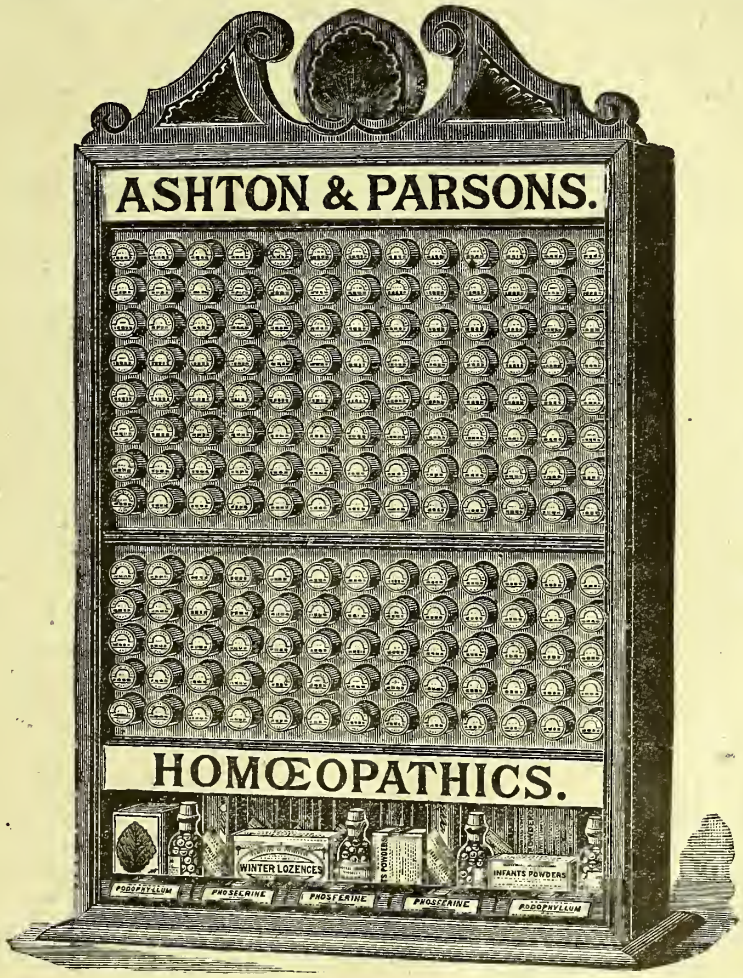

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BUSINESSES FOR DISPOSAL (*continued*).

LANCASHIRE.—Good-class Retail and Dispensing Business for disposal in suburban district; price £500. Particulars on application to 48/25, Office of this Paper.

LONDON, S.W. (suburb).—Drug Stores; sound concern; good up-to-date stock; nice shop, convenient house, small garden, side and back entrance; returns £800, increasing; good average profits; rent £52; sublet £16; sacrifice through ill-health; valuation stock and fixtures; no Photo, Optics, N.H.I. Apply 50/18, Office of this Paper.

MANCHESTER.—Consulting, Prescribing and Recipe, and Goodwill of the celebrated Patent Medicine known as Hoffner's Cough Balsam.—For disposal, the old-established Business of J. Higham & Co. (J. Hoffner), situated 122 Portland Street; owner retiring after 43 years' occupation; an exceptional opportunity to a young, energetic man with moderate capital.

MANCHESTER.—Small Pharmacy in pleasant and populous suburb, no opposition, good house attached, for speedy sale; no genuine offer refused; established ten years; rent £26. Chemist, 7 Highfield Street, Cheetham, Manchester.

NORTH LONDON.—Open and residential district; old-established Dispensing and Retail Pharmacy; good Proprietaries; fullest investigation entertained; owner retiring; will accept £500 for immediate sale, or reasonable offer not refused. Apply "L." (15/33), Office of this Paper.

N.W. SUBURB.—For immediate disposal, owing to ill-health, sound Cash Business; returns about £800, under unqualified; very profitable; no reasonable offer refused; main road; unopposed. Apply 44/31, Office of this Paper.

OLDHAM.—Excellent old Business; now in charge of a daughter who does not understand same; no goodwill; stock low; good district for National Insurance, Patents, Chemist Sundries; splendid fittings; valuation; rent 9s. clear; good living accommodation; this is a chance to obtain something for little outlay. Apply first, Macallister, Lees Road, Oldham.

YORK.—For immediate disposal, the old-established Business of the late Mr. J. Sowray, Chemist and Druggist; unique corner stand in busy thoroughfare, commanding six different streets; returns about £800 under management; good opening for Photographic, Dental, etc. Apply W. Sowray, 57 Petergate, York.

FOR Sale, Manufacturing Chemist Business; established 100 years; world reputation; secret process; rent £55; wages £8; profit, £773; ingoing £3,000. Wishart, 138 Bath Street, Glasgow.

FOR Sale, in small North Lincolnshire town, an old-established Drug Stores, doing nice business; owner retiring; stock good and up to date; would stay with purchaser if necessary a week or two; good house and outbuildings, and opening for Veterinary Surgeon; the going concern about £400, or stock at valuation. Apply 48/26, Office of this Paper.

WAR BARGAIN.—Double-fronted Shop; well fitted; reduced stock; good living accommodation; rent £22; no opposition; £25 or valuation. Apply 47/29, Office of this Paper.

BUSINESSES WANTED.

LONDON.—Must be outside a five mile radius from the Marble Arch.—Quick Retail on modern store lines, returning £2,000 to £3,000 a year, showing a net profit of about £600. Full particulars to "Senega" (46/29), Office of this Paper.

BUSINESS wanted, Birmingham district, medium-class, or would take management with view to purchase. Apply 46/37, Office of this Paper.

CHEMIST requires good Corner Premises on main road, at a rental of £60-£80 inclusive; London suburb preferred; must have sufficient scope to take at least £25 weekly. Please give full details in confidence, 35/7, Office of this Paper.

CHEMISTS wishing to retire are invited to communicate with advertiser, who requires a substantial business or share in large concern, Retail or Wholesale; capital in hand, £1,500; similar amount, now invested, would be available in addition after war if necessary; strict privacy guaranteed; references to leading Wholesale firms. "Pharmacist" (48/31), Office of this Paper.

GOOD-CLASS Business required by energetic capable man; if premises for sale so much the better, as advertiser has £5,000 at command; banker's reference willingly given. Full particulars in strictest confidence. Apply 44/35, Office of this Paper.

FOR SALE.

FILTER Press, Johnson's; 18 in. diameter circular plates; 22 plates and frames. Marsh, 208 Tower Bridge Road, S.E. 1.

FOR Sale, Gardener's Mixers; type H, capacity 5 cwt.; type E, capacity 150 lb.; gear driven. Marsh, 208 Tower Bridge Road, S.E. 1.

OVERSTOCKED.—500 Flash Lamp Batteries; 7*s.* a dozen; six dozen carriage paid; cash with order; all tested before delivery. H. M. Tranmer, High Street, Smethwick.

OXYGEN Cylinders; one 28" × 7", two 30" × 4", two 18 × 4"; £3 lot. Marsh, 208 Tower Bridge Road, S.E. 1.

THE "Ideal" Trial Case, complete and in excellent condition; present cost about £18. Also case of Prescription Frames; present cost about £3 10*s.*; both by Anglo-American Optical Co.; will accept £11 10*s.* O. Gatward, 26 York Road, Hitchin.

WHAT offers for Kodak Film Developing Tank, 3½ in., with accessories, ½ plate Print and Plate Washer, Retouching Desk, and various Photo requisites; Electro-Magnetic Machine; Electric Medical Battery in case; first-class mahogany Lantern, with all accessories, Slides, Electric Arc Lamp Carbons, Limelight Jets, etc.; also a Foot's Turkish Bath, best quality, as new. Hubbard, Drug Stores, Whitchurch, Salop.

WHAT offers? ½ lb. P. Pot. Acet., ¼ lb. Dolichos, 4 oz. Ol. Santal. Flav., 3*s.* 6*d.* oz.; 4 oz. Ol. Anethe., 4 oz. Ol. Carui. Exot., ½ lb. Tinct. Kino, 1 lb. Tinct. Jalapæ, 1 lb. Tinct. Castorei, 6 oz. Tinct. Asafœt., ½ lb. Tinct. Cascaril.; ½ lb. Tinct. Gallæ, ½ lb. Tinct. Serpent., ½ lb. P. Pepsin P.B., 1 lb. Troch. Lavand., 1 lb. Troch. Pot. Nit., 2 lb. Troch. Camph. Apply 47/18, Office of this Paper.

1 CWT. keg Mag. Sulph., B.P., 25*s.*; 50 oz. Quin. Sulph. at 3*s.* 6*d.*; 14 lb. Ol. Menth. Pip. Wayne County, at 14*s.*; 28 lb. Ol. Eucalypt. (70/75% Eucalyptol), B.P., Opt., 3*s.*; 7 lb. Pot. Brom. at 8*s.* 6*d.* lb.; 1 doz. 7*s.* 6*d.* Sanaphos at 5*s.* 3*d.*; 2½ doz. Japanese Air Pillows at 12*s.* W. Lean, Ph.C., 22 High Street, Burton-on-Trent.

1 OZ. Atropine Sulph., 20s. drachm; ½ oz. Piperazine, 18s. oz.; 3 oz. Quinine Hydrobrom., 6s. oz.; 4 oz. Quinine Sal., 6s. oz.; 3 lb. Gallic Acid, 6s. 6d. lb.; ½ lb. Croton Oil, 8s. lb.; 2 lb. Hyd. Sulph. Flav., 9s. lb.; 3 lb. Ol. Aurant., 14s. lb.; 6 lb. Pot. Pruss. Rub., 14s. lb.; 6 lb. Rad. Ipecac., 14s. lb.; ½ oz. Morph. Sulph., 18s. oz.; 10 oz. Thymol, 3s. 6d. oz.; 1 lb. Bismuth Cit., 16s. lb.; 3½ lb. Ferri Tart., 4s. lb.; 6 lb. Indigo Blue, 14s. lb.; 2 lb. Plumbi Iodidi, 19s. lb.; 1½ lb. Gum Ammoniacum, 4s. 6d. lb.; 1 lb. Lycopodium, 7s. lb.; 4 oz. Hydrarg. Iod. Rub., 15s. 6d. lb.; 1½ lb. Golden Seal Root, 26s. lb.; 1 lb. Ext. Euonymin Liq., 7s. 6d. lb.; 1 lb. T. Castorei, 12s. lb. Thompson's, Chemists, 291 Stamford Street, Ashton-u.-Lyne.

1 CWT. Tannin Albuminate; 6s. per pound. Apply A. F. Fosse, 329 Old Kent Road, S.E. 1.

LEGAL.

WILLIAM FRAZER JACKSON, DECEASED.

PURSUANT TO THE STATUTE 22 AND 23 VICTORIA, CAP. 35.

NOTICE is hereby given that all persons having claims against the estate of William Frazer Jackson, late of 175 St. John Street, Clerkenwell, E.C., and of 6 Aden Terrace, Green Lanes, Stoke Newington, N. 16, Chemist, deceased (who died on the 11th day of November, 1917, and whose will was proved on the 16th day of February, 1918, by William Frederick Jackson, one of the Executors therein named), are hereby required to send written particulars of their claims to us the undersigned on or before the 28th day of March, 1918, after which date the Executor will proceed to distribute the assets of the said deceased, having regard only to the claims of which he shall then have had notice; and he will not be liable for the assets of the deceased or any part thereof so distributed to any person or persons of whose claims he shall not then have had notice.

Dated this 21st day of February, 1918.

POTTER, SANDFORD & KILVINGTON,
Solicitors for the said Executor.

120 Queen Victoria Street, London, E.C. 4

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

AGENCIES wanted; Traveller with unique connection with Druggists' Stores, Wholesale houses; twenty years' experience in London and large provincial towns. Apply 50/19, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RETAIL.

BARNES.—Wanted, reliable Assistant (outdoors) for good-class Dispensing and Retail. Apply, stating age, experience, and salary required, to Feltwell & Son, 90 Church Road, Barnes, S.W. 13.

BRIGHTON.—Lady Assistant required for Dispensing and to help at Counter, etc.; outdoors Please state experience, age, height, salary required, etc., Savage & Co., Pharmaceutical Chemists, Brighton.

DARLINGTON.—Lady Assistant required; qualified or unqualified. Apply Waters, Chemist, Darlington.

DEVONSHIRE COAST.—One of the plums of the Drug Trade.—Wanted for a live Agricultural and Family trade, a really live qualified man with ambition; used to a turnover of not less than £100 weekly; exceptional quick pushing Counterman; salary commencing £250 first year, but if really alive will soon take him into partnership; I have the business and capital, but wish to retire shortly; if you are not really alive don't reply; my average turnover exceeds £200 weekly; Lincolnshire man preferred; permanency guaranteed, and free removal expenses; personal interview, with expenses paid; ineligible or discharged. References, experience, and full particulars to "Delta" (45/21), Office of this Paper.

EAST SUFFOLK AND IPSWICH HOSPITAL.—Wanted, qualified Pharmacist; lady or gentleman; salary £180. Apply Arthur Griffiths, Secretary, The Hospital, Ipswich.

EAST SUFFOLK.—A lady Assistant for Dispensing and Counter work; mixed business in country town; business consists of N.H.I. Dispensing, General Retail, with small Photographic and Tobacco trade; hours 8.30 to 7.30, Saturdays 8.30, shop closed from 1 p.m. to 2 p.m. each day. State experience and salary required, Hardy, Leiston, Suffolk.

EAST SUFFOLK AND IPSWICH HOSPITAL.—Wanted, Assistant (lady) Dispenser; Minor qualification. Apply, stating experiences and salary required, Arthur Griffiths, Secretary, The Hospital, Ipswich.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GOLDERS GREEN.—Part-time Dispenser (lady) required by a Doctor; must have Hall certificate; experience not essential; hours 5 to 8 p.m. daily except Sunday; salary 15s. a week. Apply 49/30, Office of this Paper.

HASTINGS.—Lady Assistant required, with previous experience preferred, used to Dispensing, for high-class Dispensing and Retail business. Apply with reference, and stating salary required, Neve & Co., Proprietor Harold E. Skyrme, 12 Wellington Place, Hastings.

KILBURN.—Part-time Assistant (gentleman); any reasonable hours arranged to suit applicant. R. R. Pratt, 94 Canterbury Road, Kilburn (near Queen's Park Tube, Bakerloo).

LANCASHIRE.—Unqualified Assistant; General Retail and N.H.I. business; must be good Counterman and Window-dresser; good salary to right man. Send full particulars to J. F. Miller, Chemist, Ashton-under-Lyne.

LANCASHIRE.—Young lady, with a little experience of Counter work and Dispensing, required for Light Retail and Dispensing business; comfortable berth; progressive salary. "Lancs" (47/403), Office of this Paper.

LLANELLY, S. WALES.—Assistant, unqualified, or good Improver; male or female; N.H.I. Dispensing and quick Counter trade. State full particulars, salary, references, and when disengaged, in first letter, Henderson, Pharmacist, Llanelly.

LONDON (near).—Chemist, having a high-class business, requires capable young lady Assistant; must be a good Dispenser; permanency. "H. S." (47/400), Office of this Paper.

LONDON, E.—Qualified Manager, above military age, for working-class business, with good N.H.I. connection; liberal interest in the profits offered. "A. B." (47/4), Office of this Paper.

LONDON, N.E.—Outdoor Assistant; lady or gentleman; Counter, Dispensing, etc.; unqualified. Write, stating age, experience, and salary required, Tabor & Cresswell, 138 High Street, Kingsland, E. 8.

LONDON, N.W.—Temporary Assistant wanted; qualified; short hours; suit elderly gentleman. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.W.—Smart Assistant required; must be good Counterman and Window-dresser, and of all-round experience, able to take charge, for a good-class Family and Dispensing business; good salary. Apply to C. R. Toyne, 26 High Street, Putney.

LONDON, S.W. 1.—An Assistant (at once); lady or gentleman, with some experience in Dispensing and Retail. Apply Alsop & Quiller, 137 Sloane Street.

LONDON, S.E.—Wanted, unqualified Assistant; comfortable and permanent berth; male or female; good Dispenser. State full particulars, and when at liberty, to H. W. Neathercoat, 60 Denmark Hill, S.E. 5.

LONDON, N.E., DRUG STORES.—Wanted, to look after a small, easily worked branch; no poisons; suitable for young lady, disabled soldier, or elderly man; unqualified. State experience and wages wanted, Grant's Drug Stores, 33 Chatsworth Road, Clapton Park, E. 5.

LONDON, N.W.—Wanted (at once), capable Assistant (male); unqualified; quick and reliable Dispenser; ineligible for Army. Apply, with full particulars, salary required, etc., to W. R. Ames, High Street, St. John's Wood.

LONDON, S.W. (near Clapham Common).—Assistant wanted, unqualified, for Light Counter duties and Dispensing; time allowed off, or part-time entertained. Apply "X." (47/21), Office of this Paper.

LONDON, S.W.—Part-time Assistant wanted; lady or gentleman; every evening (Saturday all day preferred) and alternate Sunday evenings; Counter and N.H.I. Apply Watson, 100 Mitcham Road, Tooting, S.W.

LONDON, S.W.—Unqualified male Assistant required for high-class business; must be a good Dispenser; permanency, with progressive salary. "S. S." (47/405), Office of this Paper.

LONDON, S.W.—Lady Assistant, with Counter experience, for high-class West-End business; two others kept; no Sunday duty. Full particulars and when disengaged to 47/12, Office of this Paper.

LONDON, W.—Assistant, with Counter experience, end of March; short hours; permanent post for suitable man; three Assistants kept. Full particulars to E. F. Strickland, 28 The Broadway, Ealing, W. 5.

LONDON, W.—Wholesale and Retail.—Junior Assistant wanted (immediately), with good knowledge of Drugs and Chemicals, for putting up orders in Drug department; hours 9 to 6, Saturdays 1 o'clock. Apply, with full particulars, experience, salary required, to Hospitals and General Contracts, Ltd., 19-35 Mortimer Street, W.

MIDLANDS (not far from Birmingham).—Young lady Assistant required; must have had good Counter experience and be able to Dispense; comfortable and progressive berth. "P. S." (47/404), Office of this Paper.

NORTH LONSDALE HOSPITAL, BARROW-IN-FURNESS.—Wanted (immediately), for the duration of the war, qualified Dispenser and Bookkeeper (either sex; males to be ineligible for active service). Applications, stating age, qualifications and salary required, and accompanied by copies of two recent testimonials, to be sent to the Secretary.

RUGBY.—An Assistant (male or female) for Light Retail and Dispensing, with experience; good references. Chamberlain, 3 Market Place, Rugby.

SALISBURY.—Capable Assistant, young lady, mostly for Counter work. Atkins & Son, Pharmacists, Salisbury.

ST. BARTHOLOMEW'S HOSPITAL, ROCHESTER, KENT.—Lady Dispenser wanted; Apothecaries' qualifications necessary; Hospital experience desirable; commencing salary £120. Applications, with testimonials, to be received by the undersigned on or before Tuesday, March 5th. E. A. Pemble, Secretary.

SOUTH WALES (within 10 miles of Bridgend).—Qualified Manager (Welshman preferred) for business situate in a colliery district; must be a good Prescriber, and bear unimpeachable character; permanency, with a liberal interest in the profits offered to the right man. "S. W." (47/401), Office of this Paper.

STOCKPORT.—Wanted, a qualified Assistant (outdoors) for Light Retail and Dispensing; short hours, no Sunday duty, half-day Thursday; permanency. Apply, with full particulars, to J. West Lang, Pharmaceutical Chemist, Teviot Dale.

SHREWSBURY.—Wanted (at once), a lady Dispenser (outdoors); Hall qualification. Write, giving full particulars as to previous experience and salary required, to W. Gowen Cross & Son, Pharmaceutical Chemists, 70 Mardol, Shrewsbury.

WEST OF ENGLAND.—Experienced lady Dispenser wanted, with some knowledge of shop work, for busy shop Dispensary, and three days a week Hospital work; Hall qualification; moderate hours, usual holidays; permanency. State salary and experience, 40/22, Office of this Paper.

WORCESTER.—Wanted (immediately), qualified Assistant (ineligible); easy hours, no Sunday duty. Please state age, salary (outdoors), experience, and references to E. J. Kitson, Ltd., City Drug Stores, Worcester.

YORK COUNTY HOSPITAL.—Dispenser wanted. Applications, stating age, experience, and salary required, together with copies of three recent testimonials, to be sent to the undersigned at once, Fredk. Neden, Secretary and Manager.

A QUALIFIED Assistant required for country business; easy hours and light duties; suitable for one partially disabled, or seeking semi-retirement. Full particulars, Shearman, 17 High Street, Haverhill, Suffolk.

ASSISTANT required (qualified or unqualified), outer suburb E.; brisk trade; for man without children, empty rooms provided; good salary to a competent man. Particulars and references to 49/26, Office of this Paper.

ASSISTANT wanted, male, outdoors, with good general knowledge; accurate Dispenser; some N.H.I.; close 1 o'clock Wednesdays. Apply James Lloyd, 125 St. John's Hill, Clapham Junction, London, S.W.

CAPABLE, unqualified Assistant; ineligible for Army; good Counterman and Window-dresser; knowledge of Photography; married or single; hours 8.30 to 7.30, Thursdays 8.30 to 1, Fridays 8.30 to 8, Saturdays 8.30 to 8.30, occasional Sunday evening one hour. Write, giving full particulars of past experience, references, age, height, married or single, and salary required, and when disengaged, to H. J. Bromhall, 10 King Street, Thetford.

CAPABLE, unqualified Assistant (outdoors); ineligible for Army; good Counterman and Window-dresser, with knowledge of Photography preferred. Write W. F. Goodwin, Chemist, 20 Cornwall Street, Plymouth.

DISPENSER-BOOKKEEPER in small country town; state experience and salary required. Apply Dr. McKean, Ledbury, Herefordshire.

GIRL wanted to put up stock; previous knowledge advantageous, but not necessary. H. N. Davidge, 11 Shaftesbury Avenue, Piccadilly Circus, W.

GUY'S HOSPITAL, S.E. 1.—Sixth Dispenser wanted (at once); Minor qualification; ladies eligible; salary £150. Apply the Acting Pharmacist.

IMPROVER or Junior Assistant (unqualified) for quick Retail and N.H.I. Dispensing; weekly half-holiday, closed all Bank Holidays, little Sunday duty. Send references, and state salary and all particulars first letter, Findlay & Co., Newport, Mon.

LADY Assistant (Hall certificate); outdoors; good-class Dispensing and Light Retail. State full particulars, with salary, to Ward & Woodman, Gloucester.

LADY Assistant wanted for Retail Counter, Window-dressing, etc. Please state experience, references, age, when disengaged, and salary required in first letter, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N. 7.

LADY Assistant required. Apply, with full particulars of previous experience, to Lewis & Burrows, Ltd., 146 Holborn Bars.

LEWIS & BURROWS have a vacancy for a competent Assistant; suburban business. Apply, with full particulars, to 146 Holborn Bars, E.C.

QUALIFIED Manager required for South Devon seaside business; exempt from military service. State age, height, experience, references, etc., with salary required (house rent and taxes free), to Holman, Ham & Co., Ltd., Market Street, Exeter.

QUALIFIED Assistant required early in March. Apply, stating full particulars of previous experience, to Roberts & Co., 76 New Bond Street, W. 1.

QUALIFIED young man, single and rejected, required immediately; permanent berth, with good prospects of advancement. State age, salary required, and when at liberty, "H. L." (4/402), Office of this Paper.

QUALIFIED Assistant Manager wanted (immediately); good-class business; N.H.I.; excellent references required. Full particulars in first letter, "Manchester" (48/21), Office of this Paper.

QUALIFIED Manager, about 35, of good business capacity and experience, required in first-class business in Southern health resort; short hours. Please give full particulars of experience and state salary required (outdoors); share of profits arranged with a suitable gentleman. Apply 49/7, Office of this Paper.

REQUIRED, lady Assistants, used to Druggist Sundries, Perfumery, etc.; hours of work 8.45 to 6 o'clock, 1 o'clock on Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, etc., to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

SMART Assistant wanted (soon); must be quick, neat, and accurate Dispenser; good Counterman, and of all-round experience; near London; good wages; short hours; every consideration to a competent and trustworthy man. Apply, with full particulars, to 48/17, Office of this Paper.

TEMPORARY Assistant for fortnight wanted (immediately) in mixed country business; good Dispenser, active, reliable, abstainer, with all-round experience; capable of taking charge if required. Please state age, references, particulars of experience, salary required (indoors), and when at liberty, to Perkins, Henley-in-Arden, Warwickshire.

UNQUALIFIED; pleasant good-sized country town; ineligible; Light Retail and Photographic; no heavy trade; permanency. Apply 49/23, Office of this Paper.

WANTED, a gentlemanly Assistant, thoroughly reliable and competent (with a knowledge of Homœopathy preferred, but not essential); to a good man wishing a permanency, or with a view to succession, this is a good opportunity. Apply, with particulars as to experience, etc., to Aukland, 96 Camden Road, London, N.W. 1.

WANTED, good Counterman for quick Light Retail; suit elderly man if active and of sound health; outdoors. Please state particulars of experience, references, and salary required, Harvey, Chemist, Knaphill, Surrey.

WANTED (immediately), Locum for Hospital Dispensary; Minor qualification; £4 10s. a week and rail fares. Apply 14/52, Office of this Paper.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, lady Assistant, principally to help at Counter and put up stock; Dispensing experience preferred, but not essential. Charles Bell, Chemist, 20 Sheep Street, Rugby.

WANTED (at once), lady Dispenser and Assistant in good-class trade; must possess Hall qualification; no Sunday duty. Please send age, references, experience, and salary required to Percy G. Richardson, Pharmaceutical Chemist, Dudley, Worc.

WANTED, capable Manager for Branch; must have undeniable references. Full particulars please, first letter, Hicks, Chemists, Cardiff.

WANTED, qualified Branch Manager for Light Agricultural business. State salary required and experience, etc., Topping Bros., 31 Church Street, Preston.

WANTED, capable Assistant, accustomed to a high-class Dispensing business; ineligible for Army; outdoors; hours of business 8.30 to 7; no N.H.I.; others kept. Apply, giving full particulars, to Mr. Lewis, Chemist, Ealing, W. 5.

WANTED, qualified Chemist as Assistant (at once); ineligible or discharged; N.H.I. Dispensing; small manufacturing town. Reply R. N., 47 Plymouth Grove, C.-on-M., Manchester.

WANTED, qualified Assistant; quick and accurate Dispenser. State salary required, Hopwoods, Ltd., 345 Scotland Road, Liverpool.

65S.—Assistant, unqualified, for good-class Retail, Dispensing, and Photo business; hours 9-8, Saturdays 9 p.m.; must be strictly honest and capable; suit a discharged man. Apply 49/9, Office of this Paper.

WHOLESALE.

ASSISTANT for manufacturing Toilet Specialities; permanent position; ineligible or discharged from Army. Apply, with full particulars and salary required, to Vaughan, J. Knox Walker & Co., Ltd., 422 Kingsland Road, E. 8

EXPERIENCED Working Foreman required to take charge of Wet and Dry Counter; permanency offered. Write in strict confidence, stating experience, age, and wage, to 37/2, Office of this Paper.

INTERESTING part-time commission offered to Travellers with good connections; easy and profitable work of National importance; liberal commission only. Write F. L. G., 34 Maiden Lane, Strand, W.C. 2.

JUNIOR Counter hand; Wet or Dry; good wages; permanency. Dakin Bros., Ltd., Wholesale Druggists, 82 Middlesex Street, E. 1.

PROCESS Chemist for fine Chemical Factory: experience with Coal Tar products desirable. State experience and salary required, 14/68, Office of this Paper.

REPRESENTATIVE required; commission only, for a well-advertised Proprietary, yielding excellent profit to the Retailers; Yorkshire (West Riding) and Midland Counties. Apply 47/406, Office of this Paper.

SHORTHAND Typist required (at once); one experienced in Drug Merchant's office preferred. Write, stating experience and salary desired, to "L." (15/39), Office of this Paper.

TRAVELLERS in Druggists' Sundries and Surgical Dressings wanted for Lancashire and Yorkshire below latitude 54. Applicants should state age and previous experience. Apply "L." (2/36), Office of this Paper.

WANTED, a competent Representative to interview Doctors for work in London district. State terms, experience, and references, Vitalia, Ltd., 5 Albion Place, Blackfriars, S.E. 1.

WANTED, a Representative by well-known provincial Tablet house. Apply "L." (6/20), Office of this Paper.

WANTED, young lady, age about 25, as Typist, Bookkeeper, and to generally assist in packing room. Apply The Harka Co., Ltd., 7 Blenheim Street, New Bond Street, W.

YOUNG lady Invoice Clerk wanted, with previous experience, for Chemists' office. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

BURMA.—Assistant; qualified; ineligible; about 25; salary 300 rupees per month, 325/350; three years' agreement; good prospects; passage paid out and home. Apply 50/16, Office of this Paper.

PARIS.—Capable Assistant, qualified preferred, for high-class Pharmacy; knowledge of French an advantage; no Sunday or night duty; outdoors. Replies, with photograph, experience, and references, to Parilond, 5 Rue de la Paix, Paris.

PARIS.—Wanted, competent Assistant; ineligible; experienced in good-class Pharmacy. Apply Mr. C. Brooks, 6 Northumberland Avenue, London, W.C.

FEDERATED MALAY STATES.—Qualified Assistant; first-class experience in good Retail houses indispensable; liberal and progressive salary; fine climate. Write Dakin Brothers, Ltd., 82 Middlesex Street, E.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

A QUALIFIED Locum, with good references, has April free; over age; abstainer. Apply 47/13, Office of this Paper.

AS Manager or Assistant; P.H.C.; over military age; character stands investigation; town and country experience. Apply 47/28, Office of this Paper.

ASSISTANT; 23; unqualified; all-round experience; previous engagement four years provincial; disengaged. State salary offered and hours, 46/35, Office of this Paper.

ASSISTANT; Brighton or near; 25 years' experience; unqualified. "Referentia" (47/10), Office of this Paper.

ASSISTANT or Manager; qualified; first-class Dispensing, Prescriber, Dental, Extractions, Fillings; administer own gas; age 32; Grade III.; married; Managership preferred; well educated. M.P.S., 4 Station Parade, Gerrards Cross, Bucks.

ASSISTANT Manager; qualified; elderly; single; active; N.H.I. Prescriber; permanency; comfortable berth; short hours. Apply 45/36, Office of this Paper.

ASSISTANT Dispenser (Hall), lady, desires post; nearly two years' experience; Home or Southern Counties preferred. "R.," 37 Ulysses Road, West Hampstead.

ASSISTANT (Locum) desires post. State terms, "Locum," 137 Sheffendale Road, Fulham, London.

ASSISTANT, 23, Dispensing Counter and Photography, desires change; Liverpool or district preferred. Apply 46/33, Office of this Paper.

ASSISTANT, 24, ineligible, seeks post in South Coast town; Brighton preferred; Dispensing Counter, windows. "Rytol" (49/36), Office of this Paper.

BIRMINGHAM DISTRICT.—Assistant (junior) seeks berth; accurate Dispenser; Wholesale preferred; Army discharged. Apply 45/34, Office of this Paper.

CERTIFICATED, experienced Dispenser desires post; Doctor or Institution; highest testimonials; country preferred. Miss Smith, Hillcrest, Oakleigh Park, N. 20.

DISPENSER, Extractor, etc., seeks situation middle of March; single; abstainer; reliable. Apply 44/26, Office of this Paper.

DISPENSER (lady); good all-round experience; used to Surgery. Apply "Salol" (45/24), Office of this Paper.

DISPENSER (Hall), experienced, recommended, wants post; Brighton or near. Apply 37/18, Office of this Paper.

DISPENSER desires post; 9 years' experience; sole charge Physician's house; good recent testimonials; country preferred. J. H. B., Co. Hon. Sec., 55 Bryanston Street, W.

EVENINGS from 5.30; qualified. "S.," 42 Drane Street, W. 1.

EXPERIENCED Pharmacist (49) will shorty be seeking a position of trust. Apply 49/35, Office of this Paper.

INELIGIBLE; good Dispenser, Counterman, Window-dresser; capable taking charge. Apply "Unqualified" (50/14), Office of this Paper.

INELIGIBLE; unqualified; 26; good appearance and address; 5 ft. 10 in.; 9 years' first-class experience; now at liberty. Apply 48/18, Office of this Paper.

LADY Dispenser requires post with Doctor or Chemist; S.E. district preferred. Apply Gibbs, "Hawkshead," Tremaine Road, Anerley, S.E. 20.

LADY Dispenser, part Hall, requires post with Chemist in or near Windsor; outdoors. Miss Donald, 3 St. Mark's Road, Windsor.

LADY Dispenser (22), Hall qualification, desires post; Chemist's training and one year's Hospital experience. "S." (47/9), Office of this Paper.

LADY Dispenser (Hall), bookkeeper, desires post London; Doctor or Institution (or Locum). "Dispenser," c/o Mr. W. E. Baker, 143 Askew Road, W. 12.

LADY Dispenser (Hall), Matric., Typewriting, Bookkeeping, seeks post (Dispensing), preferably North; Institution or Chemist; Hospital experience. Apply "K.," Vicarage, Birtley, co. Durham.

LOCUM; Manager; 45; good-class experience; South country preferred; disengaged shortly; active and reliable. "Pharmacist" (49/8), Office of this Paper.

M.P.S., F.S.M.C., Grade III., age 29, abstainer, last situation 8 years, desires change; excellent references; disengaged March 10th. Apply 48/5, Office of this Paper.

MANAGER; Locum; Major; 46; disengaged; experienced; outdoors. "T.," 139 Princes Street, Swindon, Wilts.

MANAGER or position of trust; highest references; unqualified; London. "H.," 241 Seven Sisters Road, N.

MANAGER; Dispenser or Locum; qualified; experienced; ineligible. "Pharmacist" (48/28), Office of this Paper.

MANAGER; qualified; experienced; smart Counterman; good business town; country; permanency. "Pharmacist" (49/12), Office of this Paper.

MANAGER-SUPERINTENDENT, Pharmacist, Optician, Extractor, desires responsible post; disengaged shortly. "Linguist" (48/24), Office of this Paper.

MANAGERSHIP or other responsibility by elderly gentleman; businesslike, good address, personality; London district; correspondence invited. "Dacrehouse" (48/4), Office of this Paper.

PART-TIME; alternate Sundays (all day) and alternate Wednesdays from 2 p.m.; first-class West-End experience; W. or S.W. Apply 47/27, Office of this Paper.

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PHARMACIST (30) desires Managership; good-class business; excellent references; London. "Aspirin" (48/33), Office of this Paper.

QUALIFIED, Manager or Assistant, C3, single, abstainer, highest class City and West-End experience, desires change. "Semper Paratus," 25 Atherfold Road, Clapham, S.W. 9.

QUALIFIED, age 39, many years' experience as Manager of good-class business, C3, energetic Salesman, teetotal, desires Managership; view to succession preferred. Apply 44/350, Office of this Paper.

QUALIFIED Chemist; several years' country experience; good number years high-class business, West-End, also suburbs; near country or suburbs; married. Apply 49/15, Office of this Paper.

QUALIFIED Manager or otherwise; single; elderly; disengaged. Chemist, 27 Lewisham High Road, London, S.E.

QUALIFIED Dispenser (Hall), 21, permanently discharged, desires post in Manchester; Counter, Dispensing, or Institution; highest testimonials; disengaged shortly Dispenser, c/o 16 Larch Street, Cheetham, Manchester.

QUALIFIED; elderly; single; easy hours; moderate salary; London. Apply 48/15, Office of this Paper.

SENIOR or Manager; over military age; good all-round experience; tall, active; unqualified; good references; country preferred. Blakeley, High Street, Uppingham.

SOUTH COAST.—Lady, aged 20, desires post about Easter time; well recommended from large Northern business for Counter, stock, and office experience. Please write 45/23, Office of this Paper.

UNQUALIFIED Doctor's Dispenser, Bookkeeper, requires post with Chemist; desires to take up Counter work; 44; married. Dyett, 135 Hill Street, Peckham, S.E.

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